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Taxonomy & Inventories

Birds of the Tolima Department of Colombia's central Andean Region

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Abstract

Background

The information in this article corresponds to a compilation of data from scientific journals, ornithological collections and virtual libraries (xeno-song, eBird and Biomap), as well as our contributions during more than 15 years of studies in Tolima. Together, this information allows us to understand the diversity of birds in the region. In addition, this article includes data on localities and the altitudinal and geographical distribution of each species. The results indicate the presence of 800 bird species in Tolima, of which 24 are endemic, 69 are near-endemic and 82 are migratory. Furthermore, 42 species face some degree of threat, two are classified as having deficient data and four have been introduced.

New information

This list constitutes a reference for studies of birds of the Upper Magdalena Valley. It is a necessary tool for conservation plans in this region of the country.

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Keywords

bird diversity, distribution, habitat, species check-list

Introduction

Birds are one of our most well-studied animal groups (Hochkirch et al. 2022); however, at present, there is still a lack of information on the composition of birds in many regions of Colombia and in the face of alarming landscape transformation, pollution and other processes that affect bird communities, it is necessary to develop inventories, complete and accurate lists of avifauna (e.g. Acevedo-Charry 2017, Avendaño et al. 2018, Cordoba and Sierra 2018, Gómez et al. 2022). This information will improve the understanding of the ecology of the communities and their biogeography (e.g. Cohn-Haft et al. 1997, Acevedo-Charry 2017, Avendaño et al. 2018, Palacio et al. 2019, Gómez et al. 2022, Instituto de Investigación de Recursos Biológicos Alexander von Humboldt Programa de Evaluación 2022). In addition, it generates information on the species composition of a specific area, highlighting data on the presence of species of conservation concern (e.g. endemic and threatened), data necessary for the declaration of conservation areas, the development of local management plans for focal species, emblematic species declarations and environmental marketing (Marinho and Beech 2020, Gómez et al. 2022). Furthermore, the filtered, verified and technically supported species lists contribute to reinforce community-based tourism processes and their avitourism routes (Gómez et al. 2022).

Many lists of birds from different regions of Colombia have already been published (e.g. Álvarez 2000, Álvarez et al. 2003, Losada-Prado et al. 2005a, Krabbe et al. 2006, Parra-Hernández et al. 2007, Donegan et al. 2010, Verhelst et al. 2011). However, only a few publications have been compiled for Colombia's 32 Departments, with lists of birds available for only six Departments (Ayerbe et al. 2008,Calderón et al. 2011, Arbeláez-Cortés et al. 2011, Carrillo-Chica et al. 2018, Chaparro et al. 2018, Cárdenas et al. 2020). The Tolima Department is located on the eastern slopes of the Colombian Central Andes and has been a site of interest for researchers since the beginning of organised ornithology in the region. Notable events date back to the Royal Botanical Expedition led by José Celestino Mutis in the 18th century (1732), which contributed toward recognising and highlighting the great richness of species in this region of Colombia (Córdoba 2009). This research drew the attention of prestigious foreign ornithologists, tempting them to explore Colombia to identify new species. For example, Goudot (French) and Wirt Robinson (US Navy) studied birds in the north of Tolima, as well as in Ibagué (Wirt 1895).

Important studies carried out in the Department include the expedition of the American Museum of Natural History led by Frank Chapman (Chapman 1912, Chapman 1917), the work carried out by Alden Miller in the Upper Magdalena Valley (Miller 1947, Miller 1952), publications by Meyer de Schauensee between 1948 and 1951 (de-Schauensee 1948, de-Schauensee 1949, de-Schauensee 1950, de-Schauensee 1951) and work by the brothers Nicéforo María and Olivares (Olivares 1960, Nicéforo and Olivares 1965,

Nicéforo and Olivares 1975, Nicéforo and Olivares 1976a, Nicéforo and Olivares 1976b), all of which provide valuable early records. Since the 2000s, the Zoology Research Group (Grupo de Investigación en Zoología - GIZ) at Tolima University, in association with the Corporación Autónoma del Tolima (CORTOLIMA), have undertaken rapid assessment surveys of local fauna as part of the on-going watershed land-use planning, resulting in many updates to the lists of birds of the Department. As a result of these accumulated efforts, 527 bird species are known from the city of Ibagué and its immediate surroundings (Parra-Hernández et al. 2007). Reinoso et al. (2009) compiled the first regional list of birds, which includes 671 species. However, the latter list lacks references to specimens and other important information, such as localities.

Although Tolima has a lengthy ornithological history stretching back more than 100 years, no complete compendium of its regional avifauna has ever been published. This has hampered efforts to prioritise important species and sub-regions in Tolima that are worth conserving. The present work, thus, aimed to establish an annotated list of bird species found in the Department of Tolima, providing information about the habitat where they are found, altitudinal range, locality, bibliographical source, recording method, and catalogue number for specimens registered in national and foreign museums or significant collections. The voucher and museum number where the specimens are found are referenced in the observation section below.

Materials and methods

Study site

The Department of Tolima is located in the centre of Colombia (2°52'59"N; 75°19'59"W and 4°24'18"N; 76°06'23"W) in an altitudinal range between 183 m a.s.l. to a zone of perpetual snow at 5220 m a.s.l. It is mainly located on the eastern slopes of the Central mountain range and a small portion of the western slopes of the Eastern mountain range, being part of the Magdalena River Valley. It covers 23,580 km^2 that can be divided into three large areas: (i) a mountainous area formed by part of Central Andes with peaks over 5,000 m a.s.l.; (ii) a small portion of the Cordillera Oriental and an area covering the Cordillera Central's piedmont (premontane area) where the majority of the Department's human population live and carry out production activities; and (iii) an area covered by the plains of the Upper Magdalena River Valley, rising from 230 to approximately 1,000 m a.s.l. (Instituto Geográfico Agustín Codazzi - IGAC 1996, Fig. 1).

It has differing ecological zones, according to the Holdridge life zone classification scheme: tropical rainforest, tropical dry forest, premontane wet forest, premontane rainforest, lower montane wet forest, lower montane rainforest, montane rainforest, montane rainforest and subalpine desert (paramo) life zones (Andean snowy) (Pomar and Vargas 1985). The coordinates of the sites that have been sampled in Tolima can be seen in Table 1.

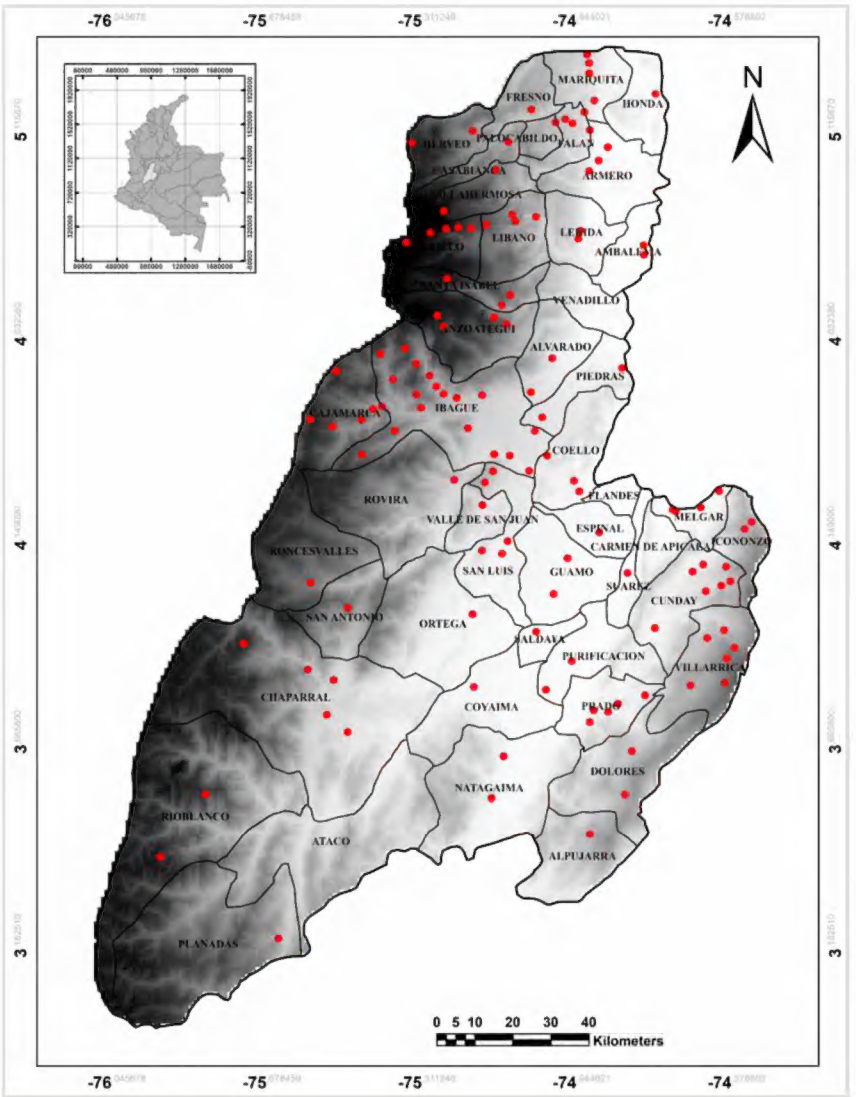

Figure 1. doi

Tolima Department Map, Colombia. Inset shows the location of Tolima in Colombia. The red points indicate localities considered in this study.

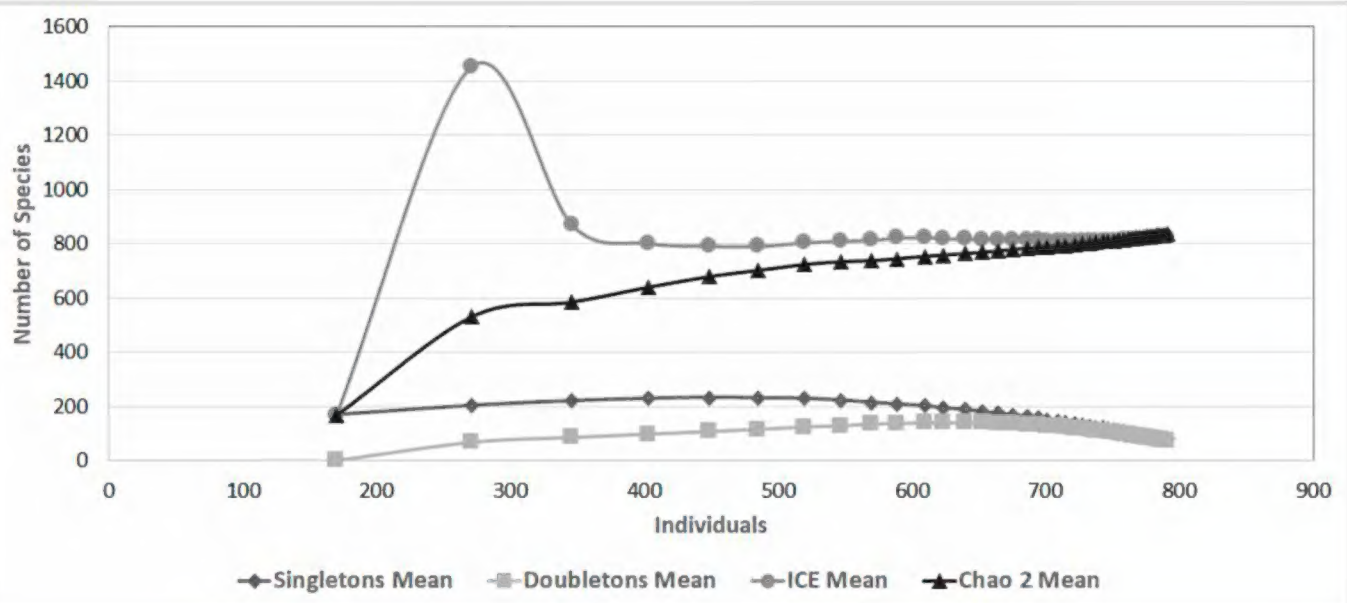

Figure 2. doi

Non-parametric species richness estimators Chao 2 and ICE. Curves were based on bird species recorded at the Tolima Department, Colombia.

The landscape of Tolima has different types of human (anthropogenic) intervention: the lower lying areas with dry forest and tropical wet forest are widely suited for rice and

sorghum growing and, to a lesser extent, corn and livestock, while the mountainous areas ranging from 1,000 to 2,000 m a.s.l. are used for growing fruit, coffee and yucca. Extensive areas of the higher sub-paramo and paramo areas are used for livestock grazing and potato growing (Instituto Geográfico Agustín Codazzi - IGAC 2004, Reinoso et al. 2009, Lozano et al. 2011).

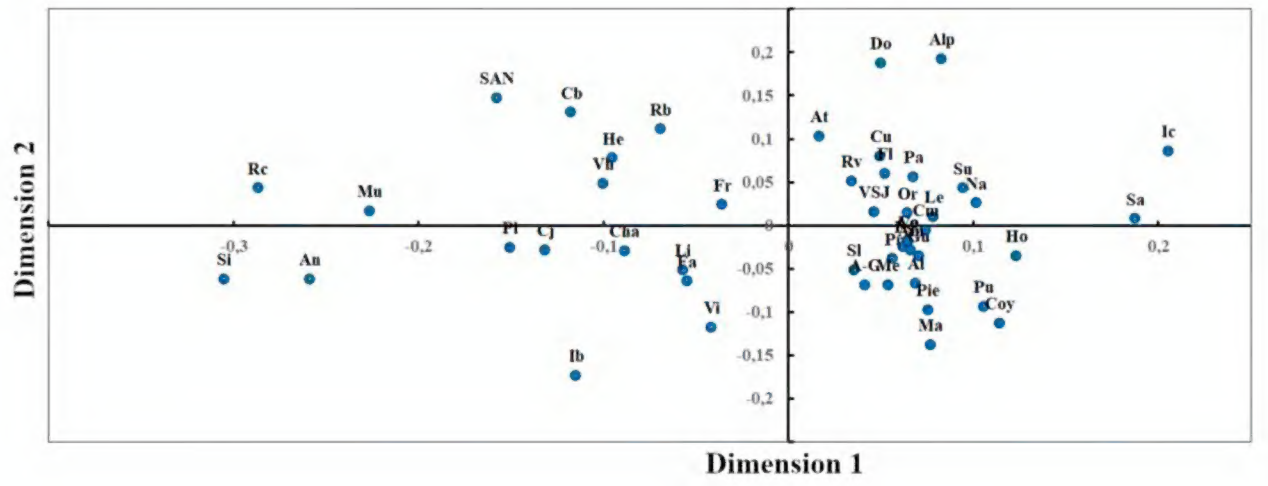

Figure 3. doi

The NMDS analysis joining the municipalities on the basis of composition of bird species in the Tolima Department, Colombia (59.2% of variance explained by these two dimensions).

Table 1.

Representative localities in the department of Tolima with greater intensity of sampling.

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
1	Anaime	Cajamarca	04°15'3"N; 75°33'35"W	3600
2	Anaime, La Estrella	Cajamarca	04°25'31"N; 75°33'12"W	3400
3	Cristales	Cajamarca	04°27'05"N; 75°31'38"W	2450
4	Carrizales	Cajamarca	04°23'19"N; 75°30'50"W	2050
5	Planadas	Cajamarca	04°25'15"N; 75°22'38"W	1400
6	Potrerillo	Coello	04°14'41"N; 74°58'32"W	433
7	Qda. Martínez	Rovira	04°17'22"N; 75°12'53"W	900
8	Pueblo	Natagaima	03°37'16"N; 75°05'35"W	370
9	Pueblo	Coyaima	03°47'45"N; 75°11'40"W	300
10	Nevado Ruiz	Murillo	04°47'29"N; 75°18'22"W	5320
11	Nevado del Tolima	Ibagué	04°39'06"N; 75°19'32"W	5000
12	La Cueva	Ibagué	04°37'46"N; 75°19'29"W	3600-3800

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
13	Paso del Quindío	Ibagué	04°33'3"N; 75°26'4.5"W	3480
14	Toche	Ibagué	04°31'10"N; 75°24'32"W	2600
15	Dantas	Ibagué	04°27'05"N; 75°31'18"W	2441
16	Ibanazca	Ibagué	04°34'44"N; 75°19'36"W	2400-2800
17	Silencio	Ibagué	04°36'02"N; 75°19'50"W	2400
18	El Playón	Ibagué	04°35'22"N; 75°18'53"W	2400
19	Rio Chili	Roncesvalles	04°08'77"N; 75°27'54"W	2100
20	Toche	Ibagué	04°32'56"N; 75°24'44"W	2150
21	Clarita Botero	Ibagué	04°28'40"N; 75°13'22"W	1400-1890
22	Piedecuesta	Ibagué	04°26'50"N; 75°15'48"W	1850
23	Juntas	Ibagué	04°32'20"N; 75°13'22"W	1800-1850
24	Mirador	Ibagué	04°28'54"N; 75°12'9"W	1800
25	Laureles	Ibagué	04°33'23"N; 75°22'02"W	1660
26	Cay	Ibagué	04°27'59"N; 75°15'32"W	1600-1700
27	Vda. Chembe	Ibagué	04°28'43"N; 75°09'56"W	1600-1800
28	Ambala	Ibagué	04°28'54"N; 75°12'9"W	1400-2100
29	Santa Teresa	Ibagué	04°26'50"N; 75°15'48"W	1400-1750
30	La Mariposa	Ibagué	04°26'58"N; 75°11'23"W	1300
31	Santa Teresa	Ibagué	04°26'50"N; 75°15'48"W	1345
32	R.N. Gaia	Ibagué	04°27'41"N; 75°12'56"W	1340
33	J.B. San Jorge	Ibagué	04°27'18"N; 75°13'30"W	1286
34	U. del Tolima	Ibagué	04°25'49"N; 75°12'58"W	1070-1170
35	Boquerón	Ibagué	04°24'12"N; 75°17'32"W	1154
36	Aeropuerto-P.Dep.	Ibagué	04°25'49"N; 75°09'52"W	980
37	Lagunas Salado	Ibagué	04°26'52"N; 75°06'51"W	950
38	Salado-Piscícola	Ibagué	04°27'23"N; 75°08'58"W	965
39	Lagunas Picaleña	Ibagué	04°24'19"N; 75°08'27"W	923
40	Totumo	Ibagué	04°22'44"N; 75°11'00"W	900
41	Lagunas Llanitos del Combeima	Ibagué	04°22'43"N; 75°10'45"W	890
42	Chucuni	Ibagué	04°28'5"N; 75°04'25"W	750

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
43	Laguna del Toro	Ibagué	04°20'36"N; 75°06'27"W	890
44	Ventaquemada	Ibagué	04°30'32"N; 74°59'32"W	740
45	BuenosAires	Ibagué	04°18'30"N; 75°30'36"W	685
46	Rio Chipalo	Alvarado	04°32'23"N; 74°58'39"W	780
47	Lagunas vía Doima	Ibagué	04°23'44"N; 75°04'51"W	540
48	Doima	Piedras	04°23'50"N; 75°02'1.9"W	630
49	M. de los Rodriguez	Piedras	04°35'58"N; 74°49'44"W	270
50	Rio Coello	Gualanday-Ibagué	04°17'02"N; 75°01'09"W	540
51	Corinto	Prado	03°40'19"N; 74°52'35"W	385
52	Restaurante Los Lagos	Guamo	04°04'50"N; 74°55'47"W	380
53	Nataima, SENA	Chicoral	04°11'30"N; 74°57'38"W	390
54	Chicoral	Espinal	04°13'20"N; 74°58'41"W	450
55	Casco Urbano	Espinal	04°09'01"N; 74°53'30"W	323
56	Estación Saldaña	Saldaña	03°56'1,9"N; 75°01'57"W	400
57	Chicuali	San Luis	04°07'4"N; 75°06'6.1"W	437
58	Caso urbano	San Luis	04°8'4.4"N; 75°05'19"W	437
59	Payande	San Luis	04°16'56"N; 75°05'54"W	580
60	Cascadas de Payande	San Luis	04°18'00"N; 75°06'03"W	480
61	Laguna Río Viejo	San Luis	04°07'54"N; 75°05'32"W	365
62	El Puerto	Prado	03°45'30"N; 74°54'29"W	393
63	Embalse-Corinto	Prado	03°47'46"N; 74°53'26"W	390
64	Aco nuevo	Prado	03°43'52"N; 74°49'35"W	430
65	La Virginia	Prado	03°44'13"N; 74°52'2"W	280
66	Anchique	Natagaima	03°34'58"N; 75°05'30"W	320
67	San Pedro	Cunday	04°02'01"N; 74°36'44"W	1000
68	San Antonio	Villahermosa	04°54'42"N; 75°13'44"W	2552
69	Buenos Aires	Prado	03°44'1.6"N; 74°45'2"W	1455
70	La *Colonia*	Villarrica	03°53'11"N; 74°33'48"W	1803-1972
71	Alto de la Cruz	Villahermosa	05°01'5"N; 75°07'11"W	2188
72	Galilea	Villarrica	03°48'40"N; 74°41'41"W	1750

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
73	Alto de Bélgica	Villarrica	03°57'16"N; 74°35'33"W	1965
74	Manzanita	Villarrica	03°52'72"N; 74°57'8"W	1600
75	Alto Torres (Galilea)	Villarrica	03°48'46"N; 74°41'57"W	1500
76	Las Catorce	Cunday	04°03'18"N; 74°35'01"W	1703
77	La Arcadia	Villarrica	03°55'11"N; 74°37'23"W	1130
78	San pedro	Cunday	04°03'54"N; 74°38'38"W	1100
79	Varsovia	Cunday	04°04'9"N; 74°35'54"W	900
80	Parroquia Vieja	Cunday	04°01'57"N; 74°34'57"W	400
81	Valencia	Cunday	03°55'46"N; 74°46'10"W	400
82	San José	Dolores	03°31'38"N; 74°49'48"W	1485
83	San Andrés	Dolores	03°31'38.4"N; 74°49"W	1500
84	San Pablo	Dolores	03°38'50"N; 74°48'56"W	860
85	Casco Urbano	Mariquita	05°11'28"N; 74°44'34"W	495-535
86	Casco Urbano	Honda	05°12'17"N; 74°44'26"W	230
87	Honda	Honda	05°14'58"N; 74°50'1.2"W	250
88	Vda. Portachuelo	Icononzo	04°12'29"N; 74°33'55"W	1350
89	Puente Natural	Icononzo	04°11'10"N; 74°30'00"W	850-1000
90	El Chorillo	Ambalema	04°50'32"N; 74°47'15"W	253
91	Tajo	Ambalema	04°48'30'N; 74°47'57"W	255
92	Laguna Coya	Coyaima-Purificación	03°48'43" N; 75°1'40"W	320
93	Purificación	Purificación	03°54'59"N; 75°10'0.4"W	340
94	La Argelia	Venadillo	04°38'22" N; 74°53'3"W	310
95	Potrerito	Venadillo	04°41'49"N; 74°59'22"W	700
96	Alto del Bledo	Lérida	04°41'49.5"N; 74°59'22"W	951
97	Laguna EL Hato	Armero-Guayabal	05°4'26"N; 74°50'0.5"W	290
98	Casco urbano	Guamo	04°1'42"N; 74°58'17"W	330
99	La Siberia	Chaparral	03°53'11"N; 75°41’2"W	1872
100	Desembocadura río Amoya, Guaní	Chaparral	03°40'23"N; 75°23’1"W	540

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
101	Cuevas Tuluni	Chaparral	03°38'32.3"N; 75°27'26"W	605
102	Caserío Tuluni	Chaparral	03°38'58"N; 75°27'24"W	665
103	Finca Santa Ana, Maito	Chaparral	03°44'21"N; 75°32'42"W	830
104	Pueblo	Venadillo	04°42'45"N; 74°55'32"W	535
105	La Sierra	Venadillo	04°46'40"N; 74°57'47"W	460
106	Uniminuto	Lerida	04°51'18"N; 74°55'01"W	380
107	Piedecuesta	Falan	05°07'27"N; 74°58'16"W	859
108	Puerto Yuca	Falan	05°09'12"N; 74°54'25"W	680
109	Ciudad Perdida	Falan	05°07'00"N; 74°56'31"W	780
110	Vía La Victoria	Mariquita	05°14'05"N; 74°53'19"W	415
111	El Rano	Mariquita	05°17'18"N; 74°51'42"W	365
112	Cataratas de medina	Mariquita	05°13'44"N; 74°53'28"W	560
113	Caimital	Honda	05°12'09"N; 74°45'35"W	463
114	Cruce San Felipe	Armero-Guayabal	05°07'39"N; 74°53'53"W	460
115	Balneario Borbón	Armero-Guayabal	05°04'14"N; 74°50'42"W	460
116	Granja UT	Armero-Guayabal	04°55'23"N; 75°00'34"W	430
117	Vda. La Mejora	Casabianca	05°02'01"N; 75°05'6"W	1700-2000
118	Pueblo	Casabianca	05°04'49"N; 75°07'13"W	2109
119	Cofradia	Venadillo	04°43'35"N; 74°53'57"W	300
120	Limones	Venadillo	04°40'13"N; 74°51'45"W	270
121	Zona rural	Venadillo	04°40'20"N; 74°48'52"W	360
122	Guaimaral	Santa Isabel	04°41'38"N; 75°6'20"W	2100
123	El Resguardo Las Mercedes	Rio Blanco	03°17'31"N; 75°52'02"W	2294
124	Anamichu	Rio Blanco	03°28'6"N; 75°39'48"W	725
125	Alto de Letras	Herveo	05°02'41"N; 75°19'56"W	3600
126	Pueblo	Herveo	05°04'44"N; 75°10'32"W	2250
127	Pueblo	Fresno	05°09'14"N; 75°01'59"W	1260
128	La Cascada	Anzoátegui	04°39'00"N; 75°14'32"W	3640
129	Palomar	Anzoátegui	04°39'4.5"N; 75°13'4"W	2800

Number	Locality	Municipality	Coordinates	Elevation (m a.s.l.)
130	Puerto Colombia	Anzoátegui	04°35'31"N; 75°09'14"W	2660
131	La Flor	Anzoátegui	04°39'18.4"N; 75°7'3"W	2100
132	La Estrella	Santa Isabel	04°44'36"N; 75°14'22"W	3580
133	La Cabaña	Murillo	04°53'17"N; 75°15'07"W	3200
134	Linea de Paramo	Murillo	04°53'25"N; 75°14'27"W	3600
135	Santa Bárbara	Murillo	04°52'44"N; 75°14'38"W	3300
136	Pueblo	Murillo	04°52'25"N; 75°10'14"W	2950-3000
137	Fifí	Murillo	04°52'12"N; 75°09'15"W	2800
138	El agrado	Libano	04°53'23"N; 75°06'11"W	2190
139	Reserva Isidro Parra	Libano	04°54'42"N; 75°02'51"W	1515
140	Pueblo	Libano	04°55'14"N; 75°03'40"W	1565
141	La Granja	Libano	04°52'34"N; 75°07'17"W	1800-2200
142	Finca El Aguador	Libano	04°55'54"N; 75°01'38"W	1300
143	Chimbi	Melgar	04°12'10"N; 74°43'05"W	319
144	Boquerón-Casco urbano	Melgar	04°12'2.7"N; 74°38'59"W	323-430
145	R.N Victoria	Melgar	04°14'10"N; 74°35'09"W	550-800
146	Pueblo	Melgar	04°12'14"N; 74°38'34"W	320
147	Suarez	Suarez	04°02'12"N; 74°50'09"W	290
148	Gaitania	Planadas	03°10'24"N; 75°38'27"W	1400

Data collection

In line with the taxonomy and sequence established by Remsen et al. (2020), this work compiles the majority of information available to date concerning the lists of avifauna for the basins of the Toche, Coello, Prado and Amoya Rivers (López et al. 2000, Losada-Prado et al. 2003, Losada-Prado et al. 2005b, Losada-Prado et al. 2005c, Parra-Hernández 2006), the Totare, Anamichu, Lagunillas, Guanabanos and Mendarco Rivers (e.g. Molina-Martinez and Rodríguez (2007), Molina-Martinez et al. (2008), Molina-Martínez et al. (2008), Molina-Martínez (2014), Molina-Martínez et al. (2015)); and partial or total publications regarding the avifauna of several municipalities in Tolima, mainly Ibagué (Corporación Autónoma Regional del Tolima (CORTOLIMA) 1996, Quevedo and Lopéz 2002, Bejarano et al. 2005, Parra-Hernández et al. 2007, Losada-Prado and Molina-Martínez 2011).

This list includes historical bibliographical records for Tolima (Stone 1899, Chapman 1912, Chapman 1917, Miller 1947, Miller 1952), as well as data from several authors who provided records regarding the Department's species (Dugand 1941, Dugand 1948, Nicéforo 1964, Nicéforo and Olivares 1965, Nicéforo and Olivares 1975, Nicéforo and Olivares 1976a, Nicéforo and Olivares 1976b, Olivares 1973, Hilty and Brown 1986, Quevedo and Lopéz 2002). We also incorporated records provided by the National Museum of Natural History (NMNH - USNM), the Museum of Comparative Zoology (MCZ), the Academy of Natural Sciences Philadelphia (ANSP), the Field Museum of Natural History Chicago (FMNH), the Museum of Vertebrate Zoology Berkeley (MVZ), the Instituto Alexander von Humboldt (SIB) and the Museo de La Salle (MSL). Museum collection databases were independently reviewed online or the information was requested directly from the museum. In addition, we made revisions and confirmations of some species at the Colección Zoológica de La Universidad del Tolima - Ornitología (CZUT-OR) and Instituto Nacional de Ciencias (ICN) at the Universidad Nacional de Colombia.

The BioMap Project / Darwin Database (2018), eBird (Cornell Lab of Ornithology and National Audubon Society 2023) and Xeno-canto (2020) databases were also consulted for every species and the catalogue numbers are included in this list. We also included our occasional records collected over more than 15 years. All bibliographic references and databases used are noted in Table 2. Abbreviations have been assigned and are used below in the species list.

Table 2.

List of the references.

Abbrev.	Reference	Abbrev.	Reference	Abbrev.	Reference
A	Authors	Z3	Molina-Martínez (2009b)	Z32	Lafrancesco et al. (1988)
B	Parra-Hernández et al. (2007)	Z4	Stiles (1995)	Z33	Zimmer (1936), Zimmer (1937), Zimmer (1939), Zimmer (1940)
C	Chapman (1917)	Z5	Harvard University and Morris (2020)(MCZ)	Z34	Olivares (1959)
D	Miller (1952)	Z6	ANSP-Academy of Natural Sciences of Drexel University (2020)	Z35	de-Schauensee (1948), de-Schauensee (1949), de-Schauensee (1950)
E	Losada-Prado and Molina-Martínez (2011)	Z7	FMNH - The Field Museum of Natural History (2020)	Z36	Olivares (1969)
F	Rodríguez (2003)	Z8	MVZ - The Museum of Vertebrate Zoology, Berkeley (2020)	Z37	Chapman (1915)

Abbrev.	Reference	Abbrev.	Reference	Abbrev.	Reference
G	Hilty and Brown (1986)	Z9	CZUT - Colección Zologica de la Universidad del Tolima - referencia Ornitologia (Losada-Prado et al. 2019)	Z38	Apolinar (1950)
H	Marquez et al. (2005)	Z10	Salaman et al. 2008,Salaman et al. (2009)	Z39	Phelps and Phelps (1956)
I	Grupo de Observadores de Aves de Planadas - GOAP (2002)	Z11	IAvH - The Instituto Alexander von Humboldt (Ocampo-Rincón and Borja-Acosta 2019)	Z40	Freeman et al. (2012)
J	Smithsonian National Museum of Natural History - NMNH (2020)	Z12	Nicéforo and Olivares (1965)	Z41	Gutierrez (1995)
K	López et al. (2000), López (2002)	Z13	Xeno-canto (2020)	Z42	Naranjo (2008)
L	Olivares (1960)	Z14	Nicéforo and Olivares (1967)	Z43	Avendaño et al. (2017), Parra-Hernández and Arias-Moreno (2019)
M	Borrero et al. (1962)	Z15	Olson (1981)	Z44	Vargas et al. (2007)
N	Quevedo (2002)	Z16	MSL - Museo de la Salle (Zurc and Bustca 2018)	Z45	Stiles (2009)
Ñ	Quevedo and Gallego (2004)	Z17	Hellmayr and Conover (1942)	Z46	Ayerbe (2015)
O	Miller (1947)	Z18	Lehmann (1957)	Z47	Figueroa et al. (2013)
P	Quevedo and Lopéz (2002)	Z19	Nicéforo (1940)	Z48	Parra-Hernández (2011)
Q	Carvajal and Urueña (2004)	Z20	BioMap Project / Darwin Database (2018)	Z49	Moreno and Losada (2016)
R	Franco and Bravo (2005)	Z21	Dugand (1948)	Z50	Parra-Hernández et al. (2015)
S	Amaya and Rico (2005)	Z22	Nicéforo (1947)	Z51	Molina-Martínez et al. (2015)
T	Parra-Hernández et al. (2008)	Z23	ICN - Instituto de Ciencias Naturales (Raz and Agudelo 2016)	Z52	Molina-Martínez (2014)
U	Losada-Prado et al. (2010)	Z24	Arango (1986)	Z53	Oyuela et al. (2016)

Abbrev.	Reference	Abbrev.	Reference	Abbrev.	Reference
V	Caranton et al. (2008)	Z25	Stone (1899)	Z54	Losada-Prado et al. (2005c)
W	Nicéforo and Olivares (1976a), Nicéforo and Olivares (1976b)	Z26	Renjifo et al. (2002)	Z55	Acevedo and Coral (2017)
X	Quimbayo (2002)	Z27	Lehmann (1957)	Z56	Ayerbe (2018)
Y	Olivares (1973)	Z28	Olivares (1967)	Z57	Parra-Hernández et al. (2019)
Z	Molina-Martínez et al. (2008), Molina-Martinez et al. (2008)	Z29	Nicéforo and Olivares (1978)	Z58	Haffer and Borrero (1965)
Z1	Nicéforo and Olivares (1965)	Z30	Olivares (1957)	Z59	Loaiza-Hernández et al. (2021)
Z2	Molina-Martínez (2009a)	Z31	Niceforo (1923a), Niceforo (1923b)		

For better understanding of the species spatial and altitudinal distributions, the municipalities where grouped into four areas or sub-regions, namely the south-eastern, northern, south-western and central areas of the Department (Table 3).

Table 3.
Geographical distribution of species in the Department Tolima.

Geographical distribution	Locality
South-eastern area	Cunday, Villarrica, Purificación, Saldaña, Prado, Coyaima, Natagaima, Alpujarra
Northern area	Mariquita, Honda, Falan, Palocabildo, Fresno, Herveo, Casabianca, Armero, Villahermosa, Líbano, Murillo, Santa Isabel, Anzoátegui, Alvarado, Venadillo, Ambalema, Lérida
South-western area	Roncesvalles, San Antonio, Ortega, Chaparral, Rio Blanco, Ataco, Planadas
Central area	Cajamarca, Ibagué, Piedras, Coello, Flandes, Rovira, San Luis, Guamo, Espinal, Carmen de Apicalá, Melgar, Icononzo, Valle de San Juan

An indication is given of the altitudinal ranges of the species found in Tolima (minimum and maximum elevations), as well as the habitat and/or life zone where they was observed, captured, collected or sound-recorded. The bibliographical source and pertinent notes regarding the species' regional status are also included. Relevant details, such as the type of record, endemic or near-endemic (Stiles 1998, Chaparro et al. 2013,

Ayerbe 2018), migratory (Naranjo et al. 2012, Avendaño et al. 2017), extralimital (Hilty and Brown 1986), introduced (Restall et al. 2006), reintroduced or threatened species (International Union for Conservation of Nature - IUCN 2020) are also indicated.

The distribution section indicates the municipalities in Tolima where each species was registered. The municipalities are abbreviated as follows: (A-G) Armero-Guayabal, (Al) Alvarado, (Am) Ambalema, (An) Anzoátegui, (At) Ataco, (Cb) Casabianca, (Cha) Chaparral, (Cj) Cajamarca, (Cm) Carmen de Apicala, (Co) Coyaima, (Cu) Cunday, (Do) Dolores, (Es) Espinal, (Fa) Falan, (Fl) Flandes, (Fr) Fresno, (Gu) Guamo, (Gy) Gualanday, (He) Herveo, (Ho) Honda, (Ib) Ibagué, (Ic) Icononzo, (Le) Lérida, (Li) Líbano, (Ma) Mariquita, (Me) Melgar, (Mu) Murillo, (Na) Natagaima, (Or) Ortega, (Pie) Piedras, (Pl) Planadas, (Pr) Prado, (Pu) Purificación, (Rb) Rio Blanco, (Rc) Roncesvalles, (Rv) Rovira, (Sa) Saldaña, (Si) Santa Isabel, (Sl) San Luis, (SAN) San Antonio (Su) Suarez, (Ve) Venadillo, (Vh) Villahermosa and (Vi) Villarrica. The notes section indicates the type of record, the voucher number in the case of museum specimens or collections, endemism, category of threat and whether the species is migratory or introduced. The institutions are abbreviated as follows: MNHNP = Museum National d'Histoire Naturelle Paris, DNHM = Delaware Natural History Museum, WFVZ = Western Foundation of Vertebrate Zoology, FMNH = The Field Museum of Natural History, CUMV = Cornell University Museum of Vertebrates, NHMA = Natural History Museum of Los Angeles County, NMNH = Smithsonian National Museum of Natural History, AMNH = American Museum of Natural History, MCZ = Harvard Museum of Comparative Zoology, MLS = Museo La Salle, SIB = Colección Humboldt IAvH, MPUJ = Museo Pontificie Universidad Javeriana, CZUTOR = Colección Zologica de La Universidad del Tolima - referencia Ornitología, MHN-ICN = Museo de Historia Natural, Instituto de Ciencias Naturales Universidad Nacional de Colombia, and IVI = Instituto Vallecaucano de Investigación. The type of record is indicated using the following conventions: (v) visual, (au) auditory, (ca) capture, (co) collection and (ph) photographic. The distributions are indicated using the following conventions (Chaparro et al. 2013): (E) endemic, (CE) almost endemic, (M) migratory, (EL) extralimital, (INT) introduced, (RINT) reintroduced and (F) probable translocation and/or flight from a nearby area. The threat category is indicated as follows: (CR) critically endangered, (EN) endangered, (VU) vulnerable, (NT) nearly threatened, (EX) considered to be extinct at the national or departmental level and (WD) widely distributed throughout the Department. These and other data, such as altitudinal range (m) and habitat, are provided in Suppl. material 1.

Data Analysis

In order to determine the variation in species composition amongst municipalities, we calculated the Jaccard Similarity Index. Dimensionality was reduced using non-metric multidimensional scaling (NMDS), based on a matrix of presence-absence species data. Contrasts in species composition were displayed using two-dimensional images (Legendre and Legendre 1998), with points designating the localities where each species was found. We used the Jaccard Index and NMDS to reduce the problems generated by differences in sample efforts across localities (Ludwing and Reynolds

1998). The non-parametric species richness estimators Chao 2 and ICE were calculated using EstimateS 9.1 (Colwell 2013) to determine the data representativeness from the richness (for the data used, see Suppl. material 2).

List of birds from Tolima department, Colombia

Nothocercus julius (Bonaparte, 1854)

Distribution: Chaparral, Cajamarca, Ibagué, Planadas, Roncesvalles

Notes: (v; au XC127813, ML131110861; co ANSP 154806)

Nothocercus bonapartei (Gray, 1867)

Distribution: Ibagué, Libano, Melgar, Planadas

Notes: (au ML 376862821; co USNM 372295).

Tinamus major (Gmelin, 1789)

Distribution: Armero -Guayabal, Falan, Ibagué, Piedras.

Notes: (au) New record - on 11 August 2015, we casually listened to the singing of this species in a wooded area of the municipality of Falan, in the area known as Ciudad Perdida (900 m), which was identified during several field trips to this area. A specimen was heard vocalising at Quebrada La Honda (Ibagué), near Hacienda el Zorro, on 21 July 2017. On 7 September 2017, an individual was heard in the RN La Primavera, municipality of Ibagué (pers. commun., D. Carantón), at approximately 1,100 m a.s.l.; in the municipality of Piedras, in La Hacienda Gascoña (pers. commun. H. Cruz); and in Armero - Guayabal in the Granja de Armero (pers. commun. M. Moreno).

Crypturellus soui (Hermann, 1783)

Distribution: Armero-Guayabal, Alvarado, Alpujarra, Cunday, Dolores, Ibagué, Falan, Fresno, Lerida, Mariquita, Melgar, Planadas, Prado, San Luis, Suárez, Villarrica

Notes: (v; au XC424036; co ICN MHN 33401; ph ML123194721).

Crypturellus erythropus (von Pelzeln, 1863)

Distribution: Honda, Mariquita, Armero

Notes: (v; co; ph ML616044311; au ML616044279). There is a historical record of an specimen from *C. saltuarius* collected by Fray Diego García in Chiminá Feligresia (Mariquita) (López 2002).

Chauna chavaria (Linnaeus, 1766)

Distribution: Armero-Guayabal, Honda, Melgar

Notes: (v; ph https://www.inaturalist.org/photos/64474746).

Dendrocygna viduata (Linnaeus, 1766)

Distribution: Armero - Guayabal, Ambalema, Coyaima, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Piedras, Prado, Purificación, Saldaña, Venadillo

Notes: (v; ph) EL. New report - ten individuals were observed and photographed during November 2004 in the lagoon of Coya between Purificación and Coyaima, registered by Parra and Rojas (2011). This record corresponds to the first verifiable record of the presence of this species in the valley Magdalena later in the municipality of Ibagué by W. Yate who made an observation in 2007. D. Juez made an observation on 21 January 2018 in Mariquita. On 15 November 2008, K. Certuche recorded 12 individuals in Venadillo; one individual was recorded in Hacienda Pajonales – Ambalema on 12 May 2016 (Y. Tolosa); and two individuals were recorded in Ibagué on 12 November 2017.

Dendrocygna autumnalis (Linnaeus, 1758)

Distribution: Alvarado, Armero-Guayabal, Coyaima, Honda, Ibagué, Libano, Mariquita, Melgar, Prado, Purificación, Suárez, Venadillo

Notes: (v; au XC156277; ph ML118594121)

Oressochen jubatus (Gmelin, 1789)

Distribution: Ibagué

Notes: (v; ph ML118593401) F. New record - a couple of individuals were observed in Aparco, a peri-urban area of the municipality of Ibagué, during the months of September and October 2018. The birds were initially identified by H. Arias and later by us and other observers (Fig. 4c). The individuals did not belong to any resident of the area; however, we do not rule out that they are the product of an escape or that they are migrants.

Cairina moschata (Linnaeus, 1758)

Distribution: Ibagué, Piedras, San Luis

Figure 4.

Noteworthy bird species recorded in Tolima Department.

a: *Aythya affinis*; doi
b: *Cairina moschata* doi
c: *Oressochen jubatus* doi
d: *Phoenicopterus ruber* doi
e: *Podiceps occipitalis*. doi

Notes: (ph ML57130461) Rint. New record - on 8 July 2006, five individuals were observed by the Grupo de observación de Aves (GOAT) at Hacienda Gascoña (Piedras). On 11 July 2007, an individual was observed in the lagoon complex of Salado (Ibagué). On 7 June 2017, we photographed two individuals in Aparco, located towards the peri-urban area of the municipality of Ibagué. These records

correspond to repopulation of this species, as its numbers had declined in past decades (Fig. 4b).

Figure 5.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Tigrisoma lineatum* (photograph of W. Figueroa); doi

b: *Cochlearius cochlearius*, a specie unusual; doi

c: *Ixobrychus exilis*, new registration high valley of Magdalena; doi

d: *Agami agami* (photograph of Y. Tolosa - Proyecto Bosque Seco, Cortolima); doi

e: *Plegadis falcinellus*, new registration high valley of Magdalena (photograph of F. Espinosa); doi

f: *Mycteria americana*, a specie unusual. doi

Figure 6.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Rosthraumus sociabilis* (photograph of W. Figueroa); doi
b: *Circus bufoni*, new registration high valley of Magdalena; doi
c: *Spizaetus tyrannus* (photograph of J. W. Molano); doi
d: *Aramus guarauna* (photograph of W. Figueroa); doi
e: *Porzana carolina*, a migratory specie (photograph of F. Suarez); doi
f: *Pardirallus maculatus*. doi

Figure 7.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Himantopus mexicanus*; doi

b: *Tringa melanoleuca*; doi

c: *Vanellus resplandes* (photograph of C. Guevara); doi

d: *Phaetusa simplex*; doi

e: *Rhynchops niger*; doi

f: *Columbina minuta*. doi

Merganetta armata Gould, 1841

Distribution: Cajamarca, Fresno, Ibagué, Libano, Murillo, Planadas, Río Blanco, Roncesvalles, Villahermosa

Notes: (v; co AMHN 111392; ph ML79620011)

Spatula discors (Linnaeus, 1766)

Distribution: Armero-Guayabal, Coyaima, Ibagué, Libano, Murillo, Piedras, Purificación

Notes: (v; ph ML24395711) Mb

Spatula clypeata (Linnaeus, 1758)

Distribution: Ibagué

Notes: (v, ph) Mb New record - an individual was registered and recorded in the lagoon complex of Picaleña (Ibagué) on 13 May 2017 by D. Carantón and team-mates during the Global Big Day (GBD). The record corresponds to a sporadic case of this migratory species being observed perched and flying over the lagoon.

Anas platyrhynchos (Linnaeus, 1758)

Distribution: Ibagué

Notes: (v; ph ML123176141) INT. New record - two individuals were photographed on 7 May 2017 in the lagoon of Aparco, on the outskirts of the Municipality of Ibagué. The individuals correspond to feral species of neighbouring farms observed around some lagoons in this zone.

Anas andium (Sclater & Salvin, 1873)

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; co SIB 6790; ph ML123178761)

Aythia affinis (Eyton, 1838)

Distribution: Ibagué, Prado

Notes: (v; ph ML68427311) M New record. Initially, five individuals were observed on 11 February 2011 and then a group of eight was photographed on 10 January 2013, at Hacienda el Escobal (900 m a.s.l.). In the Municipality of Ibagué Initially, five individuals were observed on 11 February 2011. Later, a group of eight was

photographed on 10 January 2013 at Hacienda El Escobal (900 m a.s.l.) in the Municipality of Ibagué (Fig. 4a). The individuals were observed on the water mirror in groups comprising females and non-reproductive males, located with native species of ducks (Anatidae) and cormorants. The records coincide with other observations made on those days in Bogotá (Colombia), suggesting an unusual migration route of this species during some seasons. These records are the first for this migratory species in the Upper Magdalena Valley. These observations, like those for other migratory ducks that arrive sporadically in the Municipality of Ibagué, suggest an alternative route for this species.

Nomonyx dominicus (Linnaeus, 1766)

Distribution: Ibagué, Coyaima, Armero - Guayabal, Murillo, Planadas, Purificación

Notes: (v; co MHN-ICN 562; ph)

Oxyura jamaicensis (Gmelin, 1789)

Distribution: Anzoátegui, Cajamarca, Ibagué, Herveo, Murillo

Notes: (v; ph ML106506211). New record - different individuals of this species were recorded in Tolima, especially in the upper area of the Department. This species was registered regularly in Murillo (pers. commun., Y. Rincón). On 11 September 2016, D. Carantón registered a group of 10 individuals (pers. commun., D. Carantón) in Anzoátegui.

Chamaepetes goudotii (Lesson, 1828)

Distribution: Anzoátegui, Cajamarca, Honda, Ibagué, Falan, Libano, Mariquita, Planadas, Rio Blanco, San Antonio, Santa Isabel, Villarrica

Notes: (v; au; co CZUTOR 0177; ph ML115212621)

Penelope montagnii (Bonaparte, 1856)

Distribution: Cajamarca, Fresno, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; co SIB 126311; ph ML45290981)

Aburria aburri (Lesson, 1828)

Distribution: Anzoátegui, Ambalema, Ibagué, Murillo, Planadas, Roncesvalles

Notes: (v; au) NT. A few records of this species in Tolima were made by chance in Roncesvalles in 2005 by W. Yate. Similarly, it was observed in the Reserva Natural

Bella vista (Ibagué) in May 2007 (Molina-Martínez 2014). M. Olaya registered this species in the municipality of Planadas on 5 May 2018 (pers. commun., M. Olaya). Although this species was observed in high areas of the Department, it may go unnoticed and the few records correspond to casual or auditory observations.

Ortalis columbiana Hellmayr, 1906

Distribution: Alpujarra, Armero-Guayabal, Anzoátegui, Cajamarca, Casabianca, Carmen de Apicalá, Chaparral, Coello, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Gualanday, Herveo, Honda, Ibagué, Iconzo, Lerida, Libano, Melgar, Mariquita, Natagaima, Planadas, Prado, Purificación, Rio Blanco, Rovira, Roncesvalles, San Antonio, San Luis, Suárez, Valle de San Juan, Venadillo, Villarrica, Villahermosa

Notes: (v; au XC424477; co MLS 574; ph ML123182221). This endemic species was registered in almost all of the lower areas of the Department, occurring in groups of 4 - 18 individuals in dry and premontane forests.

Crax alberti Fraser, 1852

Distribution: Honda

Notes: (co MLS 525) CR. Historical record of a specimen collected by Kerr in Honda. This species is probably extinct in the region.

Colinus cristatus (Linnaeus, 1766)

Distribution: Alpujarra, Armero-Guayabal, Alvarado, Ataco, Carmen de Apicala, Casabianca, Cajamarca, Coyaima, Casabianca, Cunday, Espinal, Guamo, Falan, Flandes, Fresno, Herveo, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Murillo, Natagaima, Palocabildo, Piedras, Planadas, Prado, Purificación, Rio Blanco, Roncesvalles, San Antonio, San Luis, Suarez, Venadillo, Villarrica, Villahermosa

Notes: (v; au; ph ML72669811; co MHN-ICN 4397, MLS 595)

Odontophorus hyperythrus Gould, 1858

Distribution: Casabianca, Falan, Ibagué

Notes: (v; au XC96070, ML98610951) E NT

Phoenicopterus ruber Linnaeus, 1758

Distribution: Ambalema, Ibagué

Notes: (v; ph) INT. New record - in Ibagué, an individual was observed in June 2015 over the lagoon complex of Picaleña. Recently, J. Sanabria photographed a colourful individual in the same locality. These sightings were probably the result of escapes or a consequence of accidental movements (Parra-Hernández et al. 2015, Fig. 4dFig. 4 e).

Tachybaptus dominicus (Linnaeus, 1766)

Distribution: Ibagué, Venadillo

Notes: (v; ph ML123896681)

Podilymbus podiceps (Linnaeus, 1758)

Distribution: Armero-Guayabal, Ibagué, Libano, Prado

Notes: (v; co CZUTOR 0286; ph ML123183561)

Podiceps occipitalis Garnot, 1826

Distribution: Roncesvalles, San Antonio

Notes: (v; ph) New record - these records correspond to the first observations of this species in the Department of Tolima made in the Municipality of Roncesvalles. Recently, W. Yate photographed three individuals which were observed on 7 April 2005 at Laguna Los Patos at 3200 m and an individual was observed on 9 January 2018 at Laguna Carrizales at 3600 m on the Cucuanita path (Fig. 4e). A photographic record was made of nesting on the border with the Department of Quindio, in the lagoon of Muñeco (ML 106896191).

Columba livia Gmelin, 1789

Distribution: Alpujarra, Alvarado, Anzoategui, Ambalema, Armero-Guayabal, Coyaima, Casabianca, Honda, Ibagué, Espinal, Falan, Fresno, Libano, Mariquita, Murillo, Piedras, Planadas, Prado, Saldaña, San Antonio, San Luis, Roncesvalles, Valle de San Juan, Venadillo, Villahermosa

Notes: (v; ph ML123183941) INT

Patagioenas speciosa (Gmelin, 1789)

Distribution: Honda, San Luis

Notes: (v; co AMHN 94801)

Patagioenas fasciata (Say, 1823)

Distribution: Anzoátegui, Ataco, Casabianca, Cajamarca, Herveo, Falan, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Rioblanco, Roncesvalles, Villarrica, Villahermosa

Notes: (v; au; ph ML123189671)

Patagioenas cayennensis (Bonnaterre, 1792)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Ataco, Falan, Honda, Ibagué, Guamo, Mariquita, Natagaima, Planadas, San Antonio, San Luis, Villarrica

Notes: (v; au co MHN-ICN 4382; ph ML123915061)

Patagioenas plumbea (Vieillot, 1818)

Distribution: Chaparral, Falan, Guamo, Libano, Melgar, Villarrica

Notes: (co CZUT-0372). New record - an uncommon species in Tolima, it was observed in Melgar's Victoria Reserve on 6 August 2016, captured in Villarica, in the Galilea Forest, on 20 August 2004 (Parra-Hernández 2006) and photographed on 5 May 2019. There are also records from the Combeima River Canyon by P. Flores on 19 August 2017 and from the Municipality of San Luis (Guamo) on 5 May 2018 by D. Juez.

Patagioenas subvinacea (Lawrence, 1868)

Distribution: Casabianca, Cunday, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, San Antonio, San Luis, Villarrica

Notes: (v; au; ph ML83880261) This species is occasionally observed in Tolima. We recorded it in Laguna Venta Quemada - Alvarado on 16 November 2004. Two individuals were observed in Complejo Lagunar Piedras (Gascoña) on 17 January 2017 and in Las Catorce on 24 August 2004.

Streptopelia decaocto (Frivaldszky, 1838)

Distribution: Ibagué, Mariquita

Notes: (v; ph ML 218086841)

Geotrygon montana (Linnaeus, 1758)

Distribution: Ibagué, Falan, Fresno, Honda, Lerida, Ortega, Planadas, San Antonio, San Luís, Villarrica

Notes: (ca; co MHN-ICN 9462; ph ML123885661)

Leptotila verreauxi (Bonaparte, 1855)

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Ambalema, Carmen de Apicala, Cunday, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Natagaima, Mariquita, Melgar, Ortega, Planadas, Piedras, Prado, Purificación, Rovira, San Luis, Suárez, Venadillo, Villarrica, San Antonio

Notes: (v; au XC424488; ca; co MLS 959, CZUTOR 90; ph ML99189531) WD

Leptotila conoveri Bond & Meyer de Schauensee, 1943

Distribution: Ataco, Casabianca, Falan, Fresno, Herveo, Ibagué, Libano, Planadas, Roncesvalles, San Antonio, Villahermosa, Villarrica

Notes: (v; ca; co CZUTOR 524; au XC425868; ph ML79620131) E EN. This pigeon, endemic to Colombia, is mainly recorded in Huila and Tolima, but also in Cauca. This species is rare or moderately common in some coffee zones (Fig. 8a).

Leptotila plumbeiceps (Sclater & Salvin, 1868)

Distribution: Ibagué

Notes: (au ML157053441)

Zentrygon frenata (Tschudi, 1843)

Distribution: Herveo, Ibagué, Falan, Planadas, San Antonio, Santa Isabel

Notes: (v; ca; co ANSP 154883)

Zentrygon linearis (Prévost, 1843)

Distribution: Herveo, Ibagué, Falan, Planadas, San Antonio

Notes: (v; ph ML75395481) This bird is difficult to observe. A few records were made in Ibagué in the Vereda Chembe on 26 July 2015 and in Juntas (Combeima River Canyon) in January 2015. J. Luna also registered it in Juntas (record from eBird) on 13 November 2017 and N. Mølgaard Thomsen photographed it in the same area.

Zenaida auriculata (Des Murs, 1847)

Distribution: Alpujarra, Alvarado, Anzoategui, Armero-Guayabal, Ataco, Cajamarca, Casabianca, Chaparral, Coyaima, Coello, Cunday, Dolores, Espinal, Falan, Flandes, Herveo, Honda, Ibagué, Lerida, Libano, Murillo, Mariquita, Palocabildo, Piedras,

Planadas Prado, Rio Blanco, Roncesvalles, Saldaña, San Antonio, San Luis, Suárez, Valle de San Juan, Venadillo, Villarricallahermosa, Villarrica

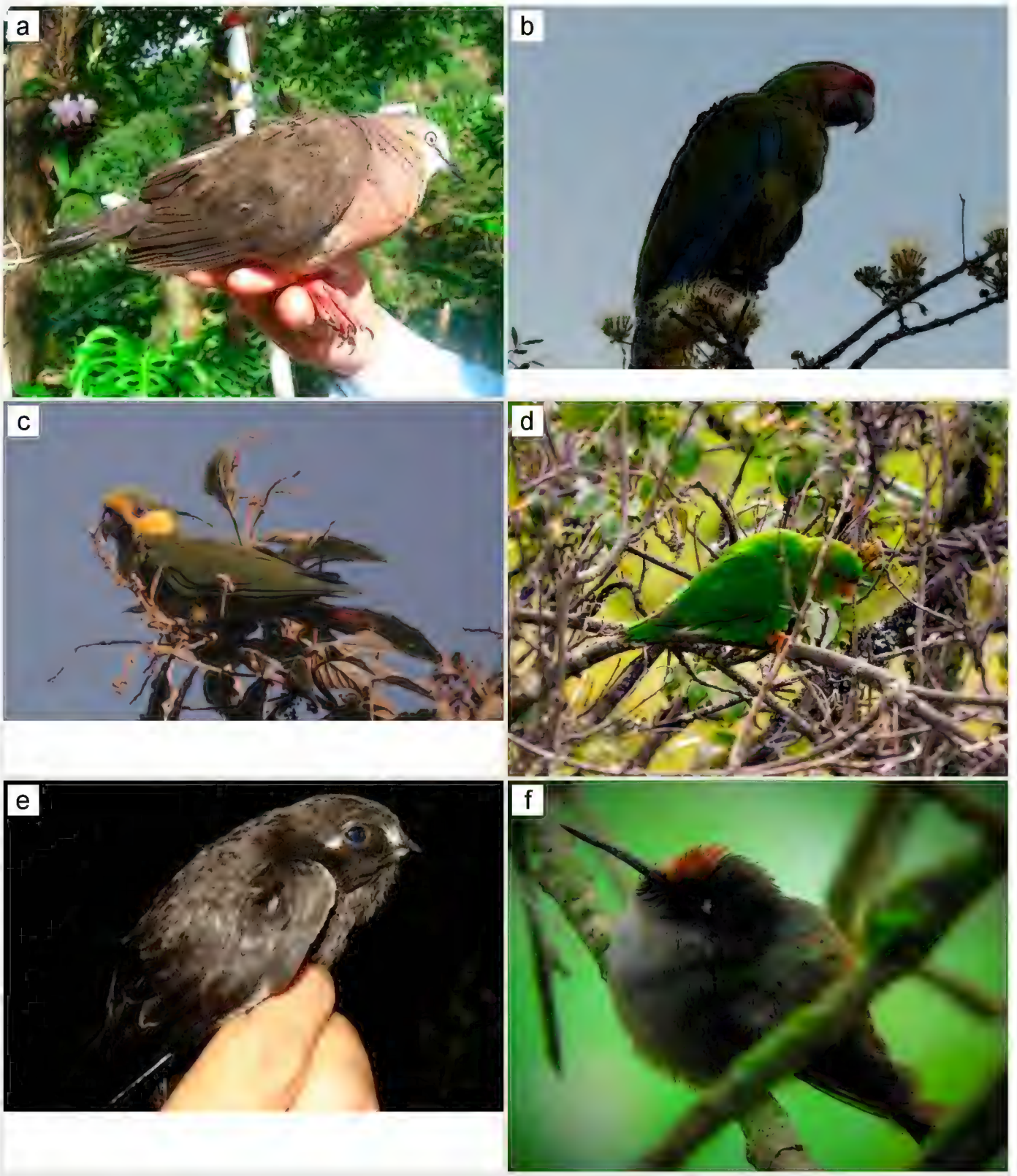

Figure 8.

Noteworthy bird species recorded in Tolima Department.

a: *Leptotila conoveri*, an endangered and endemic (photograph of William E. Figueroa); doi

b: *Ara militaris* (photograph of C. Guevara); doi

c: *Ognorhynchus icterotis* (endangered, photograph of Wilbert Yate); doi

d: *Bolborhynchus ferrugineifrons* (endangered and endemic); doi

e: *Cypseloides cherriei*; doi

f: *Anthocephala berlepschi*, an endangered and Colombian Central Andes endemic species. doi

Notes: (v; ca; co CZUTOR 0245; ph ML123193911; au XC420996) WD

Claravis pretiosa (Ferrari-Perez, 1886)

Distribution: Armero-Guayabal, Dolores, Ibagué, Icononzo, Falan, Fresno, Libano, Melgar, Natagaima, Planadas, Prado, Purificación, Suárez, San Luis, Valle de San Juan, Venadillo,

Notes: (v; au XC386627; co CZUTOR 086; ph ML10922702)

Columbina passerina (Linnaeus, 1758)

Distribution: Armero-Guayabal, Alvarado, Carmen de Apicala, Chaparral, Coyaima, Espinal, Falan, Fresno, Honda, Ibagué, Icononzo, Mariquita, Melgar, Prado, Purificación, San Luis, Villarrica

Notes: (v; co MLS 94, CZUTOR 89; ph ML123218521)

Columbina minuta (Linnaeus, 1766)

Distribution: Armero - Guayabal, Coello, Falan, Fresno, Ibagué, Mariquita, Prado, Purificación, San Luis, Venadillo

Notes: (au; ML111645151; co MNH 70814; ph ML111645041 v) This species went unnoticed for some years in Tolima and was initially registered in the Municipality of Prado in August 2004 (Parra-Hernández et al. 2015). It has now been observed in different areas of the Department, especially below 1200 m a.s.l. in the municipalities of Mariquita, Coello, Girardot, Falan, Purificación, San Luis and Ibagué (Fig. 7f).

Columbina talpacoti (Temminck, 1810)

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Anzoátegui, Ataco Ambalema, Cajamarca, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Cunday, Dolores, Falan, Fresno, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Natagaima, Mariquita, Ortega, Planadas, Prado, Purificación, Rio Blanco, Rovira, Saldaña, San Antonio, San Luis, Valle de San Juan, Venadillo, Villarricallahermosa, Villarrica

Notes: (v; au XC420993 ca; co; MLS 931.CZUTOR 92; ph ML72670051) WD

Crotophaga major Gmelin, 1788

Distribution: Armero-Guayabal, Alvarado, Ambalema, Ataco, Carmen de Apicala, Casabianca, Chaparral, Coyaima, Cunday, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Murillo, Natagaima, Ortega, Piedras, Prado, Purificación, Saldaña, San Luis, Venadillo

Notes: (v; au XC386464; co MLS 1291, MHN-ICN 12894; ph ML123196651)

Crotophaga ani Linnaeus, 1758

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Alvarado, Anzoátegui, Ataco Ambalema, Cajamarca, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Cunday, Dolores, Falan, Fresno, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Natagaima, Mariquita, Ortega, Planadas, Prado, Purificación, Rio Blanco, Rovira, Saldaña, San Antonio, San Luis, Valle de San Juan, Venadillo, Villarricallahermosa, Villarrica

Notes: (v; au XC386463; co CZUTOR 822; ph ML123200521) WD

Crotophaga sulcirostris Swainson, 1827

Distribution: Armero-Guayabal, Chicoral, Coyaima, Cunday, Espinal, Falan, Honda, Ibagué, Mariquita, Melgar, Prado, Purificación, Rio Blanco, Saldaña, San Luis, Venadillo, Villarrica

Notes: (v; au; co MLS 1302, CZUTOR 70; ph ML123200911)

Tapera naevia (Linnaeus, 1766)

Distribution: Alpujarra, Alvarado, Anzoategui, Casabianca, Cajamarca, Chaparral, Coello, Coyaima, Cunday, Dolores, Espinal, Fresno, Guamo, Herveo, Honda, Ibagué, Falan, Lerida, Libano, Mariquita, Melgar, Murillo, Natagaima, Palocabildo, Planadas, Piedras, Prado, Purificación, Rio Blanco, Saldaña, San Antonio, San Luis, Santa Isabel, Valle San Juan, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC157753; co MLS 1306; ph ML123201491)

Dromococcyx phasianellus (Spix, 1824)

Distribution: Alvarado, Guamo, Ibagué, Piedras, San Luis, Venadillo

Notes: (v; au XC20387; co mls 1280). New record - this species was registered for the first time in Tolima by H. Arias and J. Sanabria at Hacienda el Chaco (Piedras) on 27 February 2008 and subsequently registered in several surrounding areas of dry forest. It is trackable in riverine forest and small fragments of tropical dry forest near water sources, as well as near bamboo. Although it is difficult to track, it can be identified by its vocalisation. It has been observed within the limits of Ibagué in Alvarado and Piedras.

Coccycua minuta (Vieillot, 1817)

Distribution: Espinal, Ibagué, Icononzo, Libano, Melgar, Piedras, Planadas, Prado, San Luis

Notes: (v; au; co MLS 1281, CZUTOR 0894; ph ML26340791)

Coccycua pumila (Strickland, 1852)

Distribution: Ambalema, Espinal, Falan, Guamo, Ibagué, Libano, Purificación, San Luis, Villarrica

Notes: (v; co MLS 3255; ph ML123202821)

Piaya cayana (Linnaeus, 1766)

Distribution: Armero-Guayabal, Carmen de Apicala, Chaparral, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Gualanday, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Planadas, Rio Blanco, San Antonio, Santa Isabel, San Luis, Venadillo, Villahermosa, Villarrica

Notes: (v; au; co MLS 1258; ph ML123204751)

Coccyzus melacoryphus Vieillot, 1817

Distribution: Armero-Guayabal, Espinal, Falan, Guamo, Ibagué, Libano, Purificación, San Antonio, San Luis, Villarrica

Notes: (v; co MLS 3263, CZUT OR1067; ph ML101854131)

Coccyzus americanus (Linnaeus, 1758)

Distribution: Armero-Guayabal, Coyaima, Espinal, Falan, Fresno, Ibagué, Melgar

Notes: (v; co CZUTOR 0363; ph ML83847861) M

Coccyzus erythropthalmus (Wilson, 1811)

Distribution: Armero-Guayabal, Espinal, Ibagué, Libano

Notes: (v; co ANSP 154810; ph ML99174331)

Steatornis caripensis Humboldt, 1817

Distribution: Casabianca, Cajamarca, Chaparral, Coyaima, Cunday, Herveo, Ibagué, Icononzo, Murillo, Roncesvalles

Notes: (v; ca; co CZUTOR 211; au ML82127)

Nyctibius griseus (Gmelin, 1789)

Distribution: Alvarado, Armero-Guayabal, Ataco, Falan, Fresno, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Murillo, Planadas, Prado, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au; co CZUTOR 0212; ph ML105628231)

Chordeiles nacunda (Vieillot, 1817)

Distribution: Coyaima, Ibagué, Guamo, Honda, Natagaima, Mariquita, San Luis, Venadillo

Notes: (v; co MVZ 93791; ph)

Chordeiles acutipennis (Hermann, 1783)

Distribution: Alvarado, Armero-Guayabal, Coello, Coyaima, Honda, Ibagué, Falan, Fresno, Mariquita, Melgar, Piedras, Prado, Saldaña

Notes: (v; co MLS 8272)

Chordeiles minor (Forster, 1771)

Distribution: Armero - Guayabal, Espinal, Fresno, Guamo, Herveo, Ibagué, Mariquita, Piedras, Venadillo

Notes: (v; co MLS 8326; ph ML123213631)

Lurocalis rufiventris Taczanowski, 1884

Distribution: Cajamarca, Casabianca, Ibagué, Rio Blanco

Notes: (v; au XC518033)

Nyctidromus albicollis (Gmelin, 1789)

Distribution: Alvarado, Armero - Guayabal, Ataco, Cajamarca, Carmen de Apicala, Chaparral, Coello, Espinal, Honda, Icononzo, Ibagué, Libano, Mariquita, Melgar, Prado, Roncesvalles, Rovira, Sladaña, San Antonio, San Luis, Villarrica

Notes: (v; ca; au-XC96383; co MLS 8327, CZUTOR 209; ph ML36497411)

Uropsalis segmentata (Cassin, 1849)

Distribution: Ibagué, Cajamarca

Notes: (v; ph) Some recent records were made in Ibagué, Silencio on 23 July 2013 (W. Figueroa photographed ML 370281651, ML 370281661, ML 370281671) and Toche at Finca La Leona by M. De Freitas on 2 August 2018 and Salento-Toche Road by C. Sanchéz on 30 August 2019.

Uropsalis lyra (Bonaparte, 1850)

Distribution: Cajamarca, Ibagué, Roncesvalles

Notes: (v; co ANSP 154700; ph ML51940921)

Hydropsalis cayennensis (Gmelin, 1789)

Distribution: Armero-Guayabal, Honda, Ibagué, Melgar, Piedras, Planadas

Notes: (ca; co NHMA 73169; ph)

Systellura longirostris (Bonaparte, 1825)

Distribution: Anzoátegui, Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel.

Notes: (v; au; co MHN-ICN 27016, CZUTOR 0657)

Antrostomus carolinensis (Gmelin, 1789)

Distribution: Chaparral, Ibagué, Villahermosa

Notes: (co MHN-ICN 4440; ph ML83559451) ICN

Cypseloides cherriei Ridway, 1893

Distribution: Ibagué, Libano

Notes: (v; co CZUTOR 0436; ph) DD EL. Ibagué, Tolima. coordinates; 4°25'58"N; 75°13'01"W. altitude 1250 m a.s.l.; date 4 August 2006, Collector. RM. Parra. CZUTOR 0436. This unusual species in the Department was observed by chance for the first time on 4 August 2006 in the Municipality of Ibagué (Parra-Hernández et al. 2008) and later in Ibagué on 7 June 2015 (Fig. 8e).

Streptoprocne rutila (Vieillot, 1817)

Distribution: Alpujarra, Anzoátegui, Casabianca, Cajamarca, Chaparral, Falan, Fresno, Herveo, Ibagué, Libano, Mariquita, Murillo, Palocabildo, Piedras, Planadas, Prado, Roncesvalles, Rio Blanco, San Antonio Villarrica

Notes: (v; co MLS 10164, CZUTOR 0128)

Streptoprocne zonaris (Shaw, 1796)

Distribution: Alvarado, Armero-Guayabal, Ambalema, Anzoátegui, Casabianca, Chaparral, Cajamarca, Carmen de Apicala, Coello, Cunday, Dolores, Espinal, Herveo, Icononzo, Ibagué, Falan, Fresno, Guamo, Honda, Lerida, Libano, Mariquita, Melgar, Murillo, Natagaima, Piedras, Planadas, Prado, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel, San Luis, Venadillo, Villahermosa, Villarica

Notes: (v; co SIB 126381, CZUT OR1183; ph ML98402401) WD

Chaetura cinereiventris Sclater, 1862

Distribution: Armero-Guayabal, Cajamarca, Casabianca, Coello, Falan, Fresno, Ibagué, Libano, Melgar, Murillo, Santa Isabel, San Luis, Villarrica

Notes: (v)

Chaetura spinicaudus (Temminck, 1839)

Distribution: Ibagué, Falan, Fresno, San Antonio

Notes: (v)

Chaetura pelagica (Linnaeus, 1758)

Distribution: Armero - Guayabal, Cajamarca, Ibagué, Lerida, Libano, Valle de San Juan

Notes: (v; ph ML 503924801)

Chaetura brachyura (Jardine, 1846)

Distribution: Armero-Guayabal, Falan, Fresno, Honda, Ibagué, Lerida, Libano, Mariquita, Planadas, San Luis, Villarrica

Notes: (v; ph ML115462101)

Aeronautes montivagus (d'Orbigny & Lafresnaye, 1837)

Distribution: Chaparral, Falan, Ibagué, Libano, Mariquita, Planadas, Roncesvalles, San Antonio

Notes: (v; ph ML43402911)

Panyptila cayennensis (Gmelin, 1789)

Distribution: Armero - Guayabal, Cajamarca, Fresno, Ibagué, Libano

Notes: (v)

Florisuga mellivora (Linnaeus, 1758)

Distribution: Armero - Guayabal, Alvarado,Carmen de Apicala, Cajamarca, Casabianca, Chaparral, Coyaima, Cunday, Falan Fresno, Honda, Icononzo, Ibagué, Fresno, Libano, Lerida, Mariquita, Melgar, Planadas, Prado, Saldaña, San Antonio, San Luis, Valle de San Juan, Villarrica

Notes: (v; co MLS 249, CZUTOR 096; ph ML123215381)

Eutoxeres aquila (Bourcier, 1847)

Distribution: Anzoátegui, Cajamarca, Ibagué, Falan, Fresno, Icononzo, Libano, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villarrica

Notes: (v; ca; co CZUTOR 0047; ph ML57129811)

Glaucis hirsutus (Gmelin, 1788)

Distribution: Armero-Guayabal, Coyaima, Cunday, Falan, Fresno, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Piedras, Planadas, Roncesvalles, Rovira, Saldaña, San Antonio, Villarrica

Notes: (v; co; CZUTOR 0277; ph ML123219681)

Threnetes ruckeri (Bourcier, 1847)

Distribution: Falan, Fresno, Honda, Libano, Mariquita

Notes: (ph ML2600159). This hummingbird was captured by F. Espinosa in the vereda Coralito (Líbano) on 12 March 2016 (record from eBird) and was observed on one occasion near the Morales River in Falan in March 2017.

Phaethornis striigularis Gould, 1854

Distribution: Armero - Guayabal, Casabianca, Ibagué, Falan, Fresno, Libano, Honda, San Luis, Villarrica

Notes: (v; co MLS 1651; ph ML26340841)

Phaethornis anthophilus (Bourcier, 1843)

Distribution: Alpujarra, Alvarado, Armero - Guayabal, Casabianca, Chaparral, Carmen de Apicala, Coello, Coyaima, Cunday, Dolores, Espinal, Falan, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Piedras, Planadas, Prado, Purificación, Rio Blanco, Rovira, Saladaña, San Antonio, San Luis, Venadillo

Notes: (v; ca; co MLS 1634, CZUTOR 74; ph ML70659211)

Phaethornis guy (Lesson, 1833)

Distribution: Armero - Guayabal, Anzoategui, Casabianca, Chaparral, Cunday, Heerveo, Honda, Ibagué, Icononzo, Falan, Mariquita, Melgar, Natagaima, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Antonio, Santa Isabel, San Luis, Venadillo, Villahermosa, Villarrica

Notes: (v; ca; co MLS 32327, CZUTOR 23; ph ML99294501)

Phaethornis syrmatophorus Gould, 1851

Distribution: Anzoátegui, Casabianca, Ibagué, Libano, Planadas, San Antonio, San Luis, Villarrica

Notes: (v; ca; co CZUTOR 532; ph ML22279521)

Phaethornis longirostris (Delattre, 1843)

Distribution: Armero - Guayabal, Falan, Fresno, Lerida, Libano, Mariquita

Notes: (v)

Doryfera ludoviciae (Bourcier & Mulsant, 1847)

Distribution: Cajamarca, Casabianca, Chaparral, Cunday, Falan, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Villahermosa, Villarrica

Notes: (v; co CZUTOR 0283; ph)

Schistes albogularis Gould, 1851

Distribution: Anzoátegui, Cajamarca, Casabianca, Falan, Libano, Herveo, Ibagué, Planadas, San Antonio, Villahermosa

Notes: (v; ca; co CZUTOR 0786; ph ML 376971311, ML 337952211)

Colibri delphinae (Lesson, 1839)

Distribution: Falan, Ibagué, Icononzo, San Antonio, Villarrica

Notes: (v; au-XC424028; ca; co MHN-ICN 32372; ph)

Colibri cyanotus (Bourcier, 1843)

Distribution: Anzoátegui, Falan, Cajamarca, Ibagué, Libano, San Antonio, Santa Isabel

Notes: (v; au; ca; co CZUTOR 0633; ph ML123222211)

Colibri coruscans (Gould, 1846)

Distribution: Anzoátegui, Casabianca, Cajamarca, Falan, Fresno, Herveo, Ibagué, Icononzo, Murillo,

Notes: (v; au XC336002 ca; co CZUTOR 020; ph ML58016731)

Heliothryx barroti (Bourcier, 1843)

Distribution: Falan, Honda

Notes: (v) Registered by W. Figueroa. Some records with photo at the border with Caldas (ML 198143691).

Chrysolampis mosquitus (Linnaeus, 1758)

Distribution: Espinal, Ibagué, Natagaima, Mariquita, Melgar, Prado, San Luis

Notes: (v; ca; co MLS 7896, CZUTOR 0325; ph)

Anthracothorax nigricollis (Vieillot, 1817)

Distribution: Armero-Guayabal, Carmen de Apicala, Dolores, Espinal, Falan, Gualanday, Guamo, Honda, Ibagué, Melgar, Murillo, Prado, San Luis, Villarrica

Notes: (v; ca; co MLS 174, CZUTOR 0781; ph ML123222801)

Heliangelus exortis (Fraser, 1840)

Distribution: Anzoátegui, Cajamarca, Falan, Fresno, Ibagué, Murillo, Planadas, Santa Isabel

Notes: (v; ca; co CZUTOR 1272; ph ML99048711)

Discosura conversii (Bourcier & Mulsan, 1846)

Distribution: Falan

Notes: (v; ph ML99183441). New record - this is a rare hummingbird in the Department. Individuals have been observed since June 2006 in the path Piedecuesta (Municipality Falan) in the canopy, usually solitary and rarely in small groups of three individuals (Fig. 9b).

Lophornis delattrei (Lesson, 1839)

Distribution: Honda, Ibagué, Icononzo, Prado

Notes: (v; co MLS 1969, ph ML197470921)

Lophornis stictolophus Salvin & Elliot, 1873

Distribution: Icononzo, Prado

Notes: (v, co)

Adelomyia melanogenys (Fraser, 1840)

Distribution: Anzoátegui, Casabianca, Cajamarca, Ibagué, Icononzo, Libano, Planadas, Santa Isabel, San Antonio, Villarrica

Notes: (v; ca; co CZUTOR 1422; ph ML120532001)

Aglaiocercus kingii (Lesson, 1832)

Distribution: Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, San Antonio, Villarricallahermosa, Villarrica

Notes: (v; co MLS 245, CZUT OR0981; ph ML115213621)

Opisthoprora euryptera (Loddiges, 1832)

Distribution: Cajamarca, Ibagué

Notes: (ca; co SIB 6540)

Figure 9.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Saucerottia cyanifrons* (near endemic); doi

b: *Discosura conversii*; doi

c: *Calliphlox mitchellii* doi

d: *Capito hypoleucus* (endangered and endemic); doi

e: *Thamnophilus multristriatus*; doi

f: *Myiarchus apicalis*, an endemic species (photograph of William E. Figueroa). doi

Lesbia nuna (Lesson, 1832)

Distribution: Ibagué, Murillo, Planadas

Notes: (v; co MHN-ICN 26170; ph ML115213241)

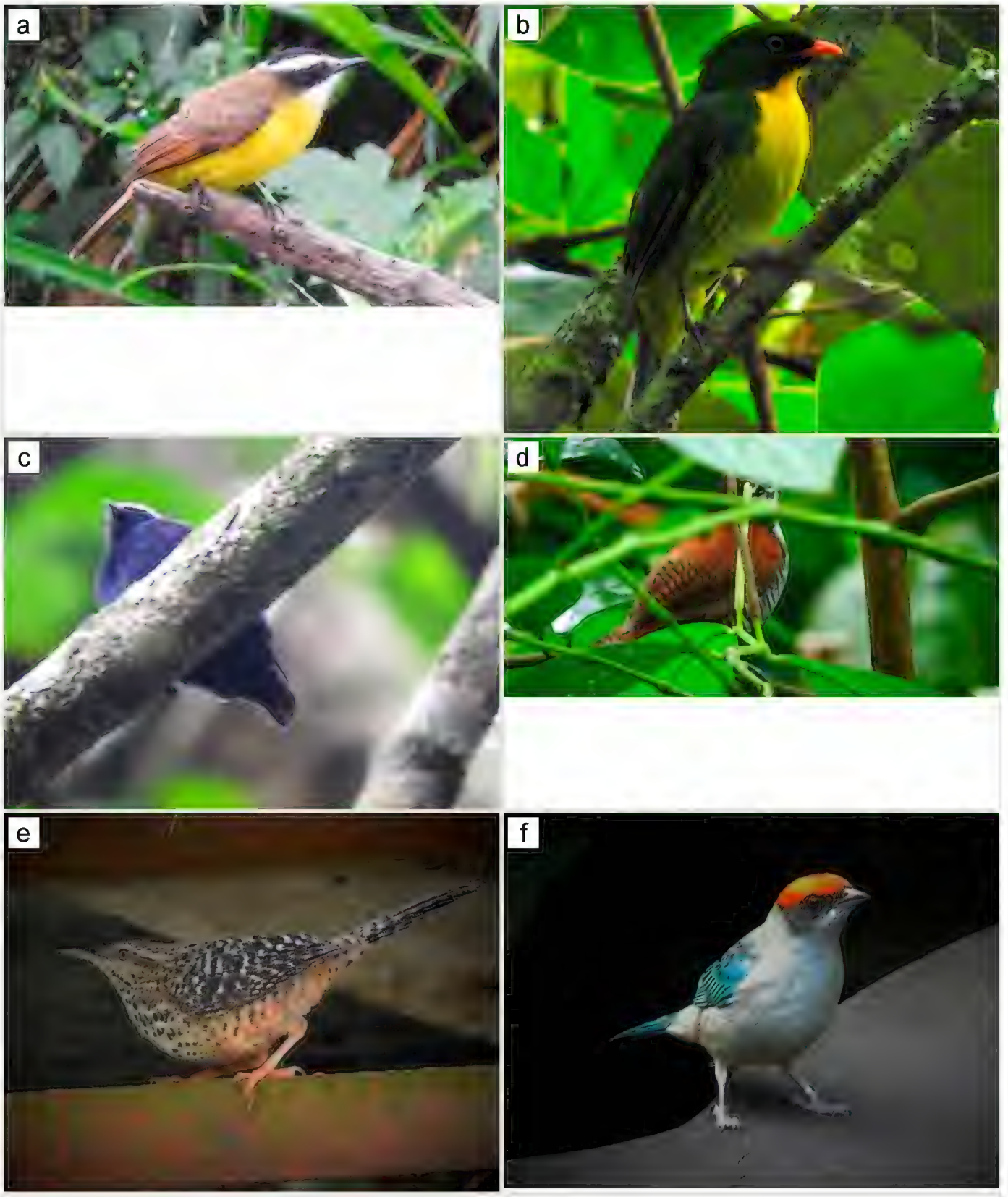

Figure 10.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Pitangus lictor*; doi

b: *Pipreola aureopectus*, a new registration in the high valley of Magdalena; doi

c: *Pseudopipra pipra* doi

d: *Cantorchilus nigrocapillus*, a new registration in the high valley of Magdalena; doi

e: *Campylorhynchus zonatus* doi

f: *Stilpnia vitriolina*, a semi-endemic species. doi

Ramphomicron microrhynchum (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; co SIB 126768, CZUTOR 745; ph)

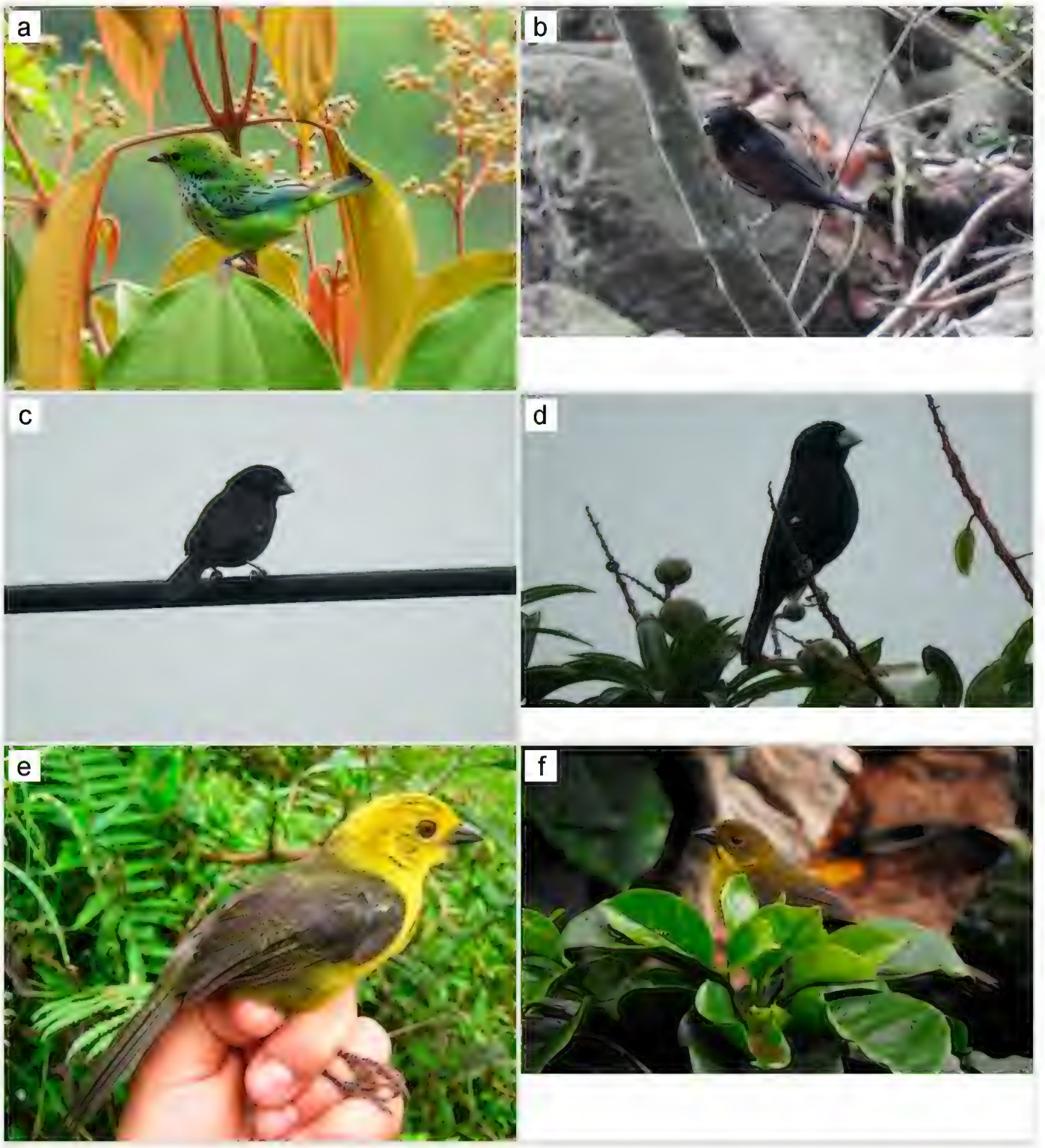

Figure 11.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Ixothraupis guttata*; doi

b: *Sporophila angolensis* (photograph of W. Figueroa); doi

c: *Sporophila funerea*; doi

d: *Sporophila crassirostris*; doi

e: *Atlapetes flaviceps*, an endangered and Colombian Central Andes endemic species; doi

f: *Atlapetes fuscoolivaceus*, an endangered and Colombian Central Andes endemic species. doi

Oxypogon stubelii Meyer, 1884

Distribution: Ibagué, Murillo, Santa Isabel

Notes: (v; co CZUTOR 0670, ph ML118814161) CE

Chalcostigma herrani (De lattre & Bourcieri, 1846)

Distribution: Cajamarca, Ibagué, Murillo, Roncesvalles

Notes: (v; co CZUT OR1274; ph ML123901711)

Metallura tyrianthina (Loddiges, 1832)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Prado, Santa Isabel, Villarrica

Notes: (v; ca; co ISB 166025, CZUTOR 101; ph ML123902171)

Metallura williami (De Lattre & Bourcieri, 1846)

Distribution: Cajamarca, Ibagué, Murillo, Planadas, Prado, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; ca; co CM 70714, CZUTOR 238; ph ML32218831)

Haplophaedia aureliae (Bourcier & Mulsant, 1846)

Distribution: Falan, Ibagué, Planadas, San Antonio, Santa Isabel

Notes: (v; ca; co CZUTOR 0365)

Eriocnemis vestita (Lesson, 1839)

Distribution: Cajamarca, Murillo, Planadas

Notes: (v; co MHN-ICN 26157) A reg. H. Arias.

Eriocnemis derbyi (De lattre & Bourcier, 1846)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; co; CZUTOR 1242; ph ML22278111) CE NT

Eriocnemis mosquera (De lattre & Bourcier, 1846)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; ca; co SIB 126815, CZUTOR 141; ph ML68138951) CE

Eriocnemis aline (Bourcier, 1843)

Distribution: Planadas, (Nacimiento río Saldaña)

Notes: (co MLS 2324)

Aglaeactis cupripennis (Bourcier, 1843)

Distribution: Cajamarca, Ibagué, Herveo, Murillo, Santa Isabel

Notes: (v; ph ML58243691)

Coeligena coeligena (Lesson, 1833)

Distribution: Anzoátegui, Casabianca, Cajamarca, Herveo, Ibagué, Libano, Murillo, Planadas, Santa Isabel, Villarrica

Notes: (v; ca; co CZUTOR 0218; ph ML108866751)

Coeligena torquata (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Fresno, Ibagué, Murillo, Planadas, Santa Isabel, Villarrica

Notes: (v; ca; co MHN-ICN 26871, CZUTOR 124; ph ML23431181)

Coeligena lutetiae (De lattre & Bourcier, 1846)

Distribution: Anzoátegui, Cajamarca, Roncesvallesa, Ibagué, Herveo, Murillo, Roncesvalles

Notes: (v; ca; co CZUTOR 0366; ph ML105812131)

Coeligena helianthea (Lesson, 1839)

Distribution: Icononzo

Notes: (co CUMV 5009)

Lafresnaya lafresnayi (Boussonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Falan, Ibagué, Santa Isabel, Murillo

Notes: (v; ca; co SIB 126814, CZUTOR 298; ph ML114453591)

Ensifera ensifera (Boissonneau, 1840)

Distribution: Anzoátegui, Ibagué, Planadas, Santa Isabel, Roncesvalles

Notes: (v; ca; co CZUTOR 0165; ph ML115212971)

Pterophanes cyanopterus (Fraser, 1840)

Distribution: Cajamarca, Honda, Ibagué, Icononzo, Murillo, Santa Isabel

Notes: (v; ca; co SIB -A4738; ph ML32219061)

Boissonneaua flavescens (Loddiges, 1832)

Distribution: Cajamarca, Ibagué, Libano, San Antonio

Notes: (v; ca; co MHN-ICN 26873, CZUTOR 488; ph ML123227351)

Ocreatus underwoodii (Lesson, 1832)

Distribution: Anzoátegui, Falan, Fresno, Ibagué, Libano, Planadas, San Antonio, Villahermosa

Notes: (v; ca; co CZUTOR 0642; ph ML79620671)

Heliodoxa rubinoides (Bourcier & Mulsant, 1846)

Distribution: Cunday, Fresno, Ibagué, Murillo

Notes: (v; ca; co CZUTOR 0317; ph ML123229231)

Heliodoxa leadbeateri (Bourcier, 1843)

Distribution: Anzoátegui, Chaparral, Falan, Planadas, Rio Blanco

Notes: (v; co CZUTOR 1041, 1105)

Heliomaster longirostris (Audebert & Vieillot, 1801)

Distribution: Chaparral, Cunday, Honda, Ibagué, Icononzo

Notes: (v; co MLS 2462, CZUT OR1410; ph ML73918541)

Chaetocercus mulsant (Bourcier, 1843)

Distribution: Casabianca, Falan, Herveo, Ibagué, Libano, Murillo, San Antonio, Villahermosa

Notes: (v; co CZUTOR 0318; ph ML93615631)

Chaetocercus heliodor (Bourcier, 1840)

Distribution: Ibagué

Notes: (co AMHN 76505; ph ML70658091) Recorded for Ibagué as Acestrura harterti (ornis II P202 1901).

Philodice mitchellii (Bourcier, 1847)

Distribution: Ibagué, Purificación

Notes: (v, ph ML123230551) This species was registered specifically in the Municipality of Ibagué in the Combeima River Canyon and north-western hills. Individuals were perched at about 1600 to 1800 m a.s.l. (Fig. 9c).

Chlorostilbon melanorhynchus Gould, 1860

Distribution: Coyaima, Cunday, Dolores, Honda, Ibagué, Icononzo, Falan, Mariquita, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; ca; co CZUTOR 0273; ph ML26002221)

Chlorostilbon gibsoni (Fraser, 1840)

Distribution: Armero-Guayabal, Chaparral, Espinal, Gualanday, Honda, Ibagué, Melgar, Prado, Rio Blanco, San Antonio, San Luis

Notes: (v; au XC424725; ca; co MLS 1993, CZUTOR 0179; ph ML102230501) CE

Chlorostilbon poortmani (Bourcier, 1843)

Distribution: Prado (Río Saldaña)

Notes: (co CZUT-OR0383, 0273)

Klais guimeti (Bourcier, 1843)

Distribution: Honda

Notes: (co AMHN 94841)

Anthocephala berlepschi Salvin, 1893

Distribution: Falan, Ibagué, Libano, Planadas, Roncesvalles, Villahermosa

Notes: (v; ca; co CZUT OR1442; ph ML75640231) E VU EI. This endemic species has been recorded at elevations of 1600 to 2500 m a.s.l.. It has been found along forest edges, secondary scrubland and wooded areas bordering ravines in an errant way and is rarely seen perched at low altitudes. It has also been observed in Falan, Villahermosa, Planadas, Líbano, Ibagué and Roncesvalles (Fig. 8f).

Campylopterus falcatus (Swainson, 1821)

Distribution: Cunday, Ibagué, Planadas, Rio Blanco

Notes: (v; co; AMHN 94823, MHN ICN 26261; ph ML116424351). New record - this species went unnoticed for years in the Department. In recent years, it has been regularly recorded from 1000 to 1600 m a.s.l. near the Combeima River Canyon and Anaime. Previous records of the species date from 2002 in Ibagué and Bocas de Anamichu in Rio Blanco in 2008 (Parra-Hernández et al. 2007, Molina-Martínez et al. 2015).

Chalybura buffonii (Lesson, 1832)

Distribution: Armero-Guayabal, Cunday, Dolores, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Planadas, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; ca; co MLS 8296, CZUTOR 45; ph ML70659201) WD

Chalybura urochrysia (Gould, 1861)

Distribution: Armero-Guayabal, Ambalema, Honda, Venadillo

Notes: (v; co CZUTOR)

Thalurania colombica (Bourcier, 1843)

Distribution: Armero-Guayabal, Cajamarca, Falan, Herveo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Ortega, Planadas, Prado, San Antonio, Rio Blanco, San Luis, Villarrica

Notes: (v; ca; co MLS 219, CZUTOR 310; ph ML104936211) WD

Saucerottia saucerottei (Delattre & Bourcier, 1846)

Distribution: Espinal, Ibagué, Libano, San Antonio

Notes: (co MLS 8967; ph ML102953231)

Saucerottia cyanifrons (Bourcier, 1843)

Distribution: Cunday, Espinal, Falan, Guamo, Gualanday, Ibagué, Icononzo, Libano, Melgar, San Antonio, Villarrica

Notes: (v; ca; co MLS 2128, CZUTOR 0024; ph ML70658991) CE. This hummingbird is regularly observed at elevations of 1200 to 2100 m a.s.l. (Fig. 9a). Fig. 9a

Amazilia tzacatl (de la Llave, 1833)

Distribution: Armero-Guayabal, Alvarado,Coyaima, Cunday, Dolores, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au XC424725; co MLS 7897; CZUTOR 0076; ph ML72670111) WD

Uranomitra franciae (Bourcier & Mulsant, 1846)

Distribution: Cajamarca, Casabianca, Chaparral, Cunday, Falan, Fresno, Herveo, Honda, Ibagué, Libano, Murillo Planadas, San Antonio, Rio Blanco, Roncesvalles, Villarrica

Notes: (v; ca; co CZUTOR 0019; ph ML123232881, ML 533974481)

Chrysuronia goudoti (Bourcier, 1843)

Distribution: Armero-Guayabal, Carmen de Apicala, Chaparral, Espinal, Guamo, Gualanday, Honda, Ibagué, Melgar, Natagaima, Mariquita, Melgar, Prado, Saldaña, San Antonio, San Luis, Venadillo

Notes: (v; ca; co MLS 2495, CZUTOR 328; ph ML123886341)

Polyerata amabilis (Gould, 1853)

Distribution: Armero-Guayabal, Honda, Ibagué, Mariquita, Melgar, Prado, San Luis, Venadillo

Notes: (v; ca; co CZUT 0431; ph)

Chlorestes julie (Bourcier, 1842)

Distribution: Armero-Guayabal, Carmen de Apicala, Espinal, Falan, Honda, Ibagué, Libano, Mariquita, Melgar, Venadillo

Notes: (v; ca; co MLS 237)

Aramus guarauna (Linnaeus, 1766)

Distribution: Alvarado, Ambalema, Doima, Ibagué, Espinal, Lerida

Notes: (v; au; co MLS 3351; ph ML108051151). New record - the first record of this species was made on 27 December 2011 when an individual was observed at the El Carmen Fish Farm (Ibagué) consuming snails and oysters (Fig. 6d). Nick Bayly (SELVA) and W. Figueroa registered this species in the Prado Reservoir on 13 January 2013 and on 23 March 2016, respectively. Subsequently, we registered it in Espinal, Venadillo, Lérida, Ambalema and Piedras alone or in groups of no more than six individuals.

Porphyrio martinica (Linnaeus, 1766)

Distribution: Armero-Guayabal, Carmen de Apicala, Coyaima, Falan, Ibagué, Mariquita, Prado, Venadillo

Notes: (v; co MHN-ICN 4386, CZUTOR 430; ph ML118594861)

Anurolimnas viridis (Statius Muller, 1776)

Distribution: Alvarado, Ibagué, Falan, Fresno, Libano

Notes: (v; au ML82120; ca; co CZUTOR 0198; ph)

Laterallus albigularis (Lawrence, 1861)

Distribution: Guamo, Ibagué, Piedras, San Luis

Notes: (v; co CZUTOR 0831; ph ML23232771)

Coturnicops notatus (Gould,1841)

Distribution: Espinal

Notes: (co MLS 8819) An individual was deposited in the collection La Salle, which was found in the Espinal.

Mustelirallus erythrops (Sclater, 1867)

Distribution: Mariquita

Notes: (ca, ph) This unusual species in the Department was observed for the first time on 24 October 2019 near the Guali River (Parra-Hernández et al. 2019).

Pardirallus maculatus (Boddaert, 1783)

Distribution: Ibagué, Espinal, Guamo, Purificación

Notes: (v; au; co MLS 4756; ph ML123235741) ICN. This is an uncommon species of the rice fields of Tolima. An individual was observed on 26 October 2010 by D. Carantón in the Lagoon La Esmeralda (Ibagué). We registered this species in 2017. A tired individual was observed in the courtyard of a house where there had previously been an urban wetland in the City of Ibagué (Molina-Martínez 2014). Some individuals were observed near irrigation channels in Espinal in 2013 and two individuals were observed on 28 September 2015 in the Totumo (Fig. 6f).

Aramides cajaneus (Statius Muller, 1776)

Distribution: Armero-Guayabal, Alvarado,Coyaima, Cunday, Falan, Guamo, Honda, Ibagué, Mariquita, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au; co MHN-ICN 21836; ph ML118594601)

Porzana carolina (Linnaeus, 1758)

Distribution: Ibagué, Espinal, Piedras

Notes: (co MLS 8509; ph) There were a few records of this species in Tolima on 13 March 2015 on the route to Piedras. P.G. Nell recorded two individuals in April 2018 (Fig. 6e).

Gallinula galeata (Lichtenstein, 1818)

Distribution: Armero-Guayabal, Alvarado, Espinal, Ibagué, Mariquita, Honda, Piedras, Prado

Notes: (v; ph ML123236601)

Fulica americana Gmelin, 1789

Distribution: Anzoátegui, Honda

Notes: (v)

Pluvialis dominica (Statius Muller, 1776)

Distribution: Ibagué

Notes: (v)

Vanellus chilensis (Molina, 1782)

Distribution: Armero-Guayabal, Alvarado,Anzoátegui, Ambalema, Chaparral, Coyaima, Guamo, Espinal, Honda, Ibagué, Falan, Libano, Mariquita, Murillo, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v, au XC384415, ML97062611; co AMHN 35233; ph ML123242991) WD

Vanellus resplendens (Tschudi, 1843)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué

Notes: (v; ph ML122237191) Alcaraván registered this species in the páramo zone in specific areas near the Tolima and Ruiz peaks. A photographic record was made by C. Guevara in 2018 (Fig. 7c).

Anarhynchus collaris Vieillot, 1818

Distribution: Ibagué, Ortega, Piedras, Venadillo

Notes: (V; au ML111647501; ca; co MLS 8322; ph ML111647251)

Himantopus mexicanus (Statius Muller, 1776)

Distribution: Ibagué, Purificación

Notes: (v; ph ML24395601). New record - an uncommon species in the Department, it has only been registered in the lagoon complex El Escobal. The first record of this species was made on 2 March 2008 by the Tolima Bird Observer Group (GOAT). It has been subsequently observed in the same place on a regular basis alone or in groups of eight individuals (October 2018) (Fig. 7a).

Hesperoburhinus bistriatus (Wagler, 1829)

Distribution: Alvarado, Doima, Ibagué, Natagaima, San Luis

Notes: (v; ph ML123242151). This species is difficult to see and has always been observed in a solitary way. For the first time, it was observed in the desert of Natagaima bordering Aipe (Huila) on 20 March 2004. Later, on 22 June 2006, it was observed in Piedras in an arid area adjacent to the rice fields. Between 2017 and 2018, we regularly registered several individuals in Ventaquemada (Alvarado).

Bartramia longicauda (Bechstein, 1812)

Distribution: Espinal

Notes: (co AMHN 111327)

Calidris bairdii (Coues, 1861)

Distribution: Ibagué, Roncesvalles

Notes: (v; ph https://www.flickr.com/photos/proaves/3577733780)

Calidris minutilla (Vieillot, 1819)

Distribution: Alvarado, Doima, Ibagué, Piedras

Notes: (v; ph ML124781241) M

Calidris melanotos (Vieillot, 1819)

Distribution: Ibagué

Notes: Migrant species with sporadic records in the Department of Tolima.

Calidris mauri (Cabanis, 1857)

Distribution: Ibagué

Notes: (v; ca; ph) M. This sporadic species was registered on one occasion at El Toro Lagoon Complex and photographed on 5 January 2005 (Parra-Hernández et al. 2007).

Gallinago jamesoni (Jardine & Bonaparte, 1855)

Distribution: Ibagué, Santa Isabel

Notes: (co ANSP 154802)

Gallinago nobilis Sclater, 1856

Distribution: Cajamarca, Ibagué, Planadas, Santa Isabel

Notes: (V; co ANSP 154803; ph ML62591231)

Gallinago delicata (Ord, 1825)

Distribution: Ibagué, Murillo

Notes: (v Three collection records at the border of the Municipality of Natagaima with the Department of Huila; co MVZ 93749).

Actitis macularius (Linnaeus, 1766)

Distribution: Alvarado, Cajamarca, Chaparral, Carmen de Apicala, Doima, Falan, Honda, Ibagué, Melgar, Piedras, Prado, Purificación

Notes: (v; ph ML111644551; ca; co CZUTOR 0201) M

Tringa solitaria Wilson, 1813

Distribution: Armero-Guayabal, Alvarado,Cajamarca, Guamo, Falan, Ibagué, Honda, Purificación

Notes: (v; co MHN, ICN 1187; ph ML123934521) M

Tringa melanoleuca (Gmelin, 1789)

Distribution: Alvarado, Doima, Ibagué, San Luis

Notes: (v; au ML 222194951; ph ML 183616821) M. This is a migratory species that is sporadically observed in some areas of the Department. We found a record of an individual on 13 October 2004 in Villacafe sector (Ibagué), the rice fields of Saldaña, Piedras and Roncesvalles. It was recently (October 2018) observed by J. Poveda in Murillo (Fig. 7b).

Tringa semipalmatus (Gmelin, 1789)

Distribution: Melgar

Notes: (co MCZ 347551)

Tringa flavipes (Gmelin, 1789)

Distribution: Falan, Ibagué, Piedras

Notes: (v; ph ML 182836571) M

Jacana jacana (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ambalema, Carmen de Apicala, Coyaima, Espinal, Falan, Honda, Guamo, Ibagué, Libano, Mariquita, Prado, San Luis, Venadillo

Notes: (v; au; ca; co MLS 2918, CZUTOR 440; ph ML123244611) WD

Rynchops niger Linnaeus, 1758

Distribution: Ambalema, Ibagué, Honda

Notes: (v; ca; co; ph ML123250951). This species has been observed in the Magdalena River Basins (Honda, Ambalema and Girardot) and large lagoons in the Department. It usually forms groups of up to 12 individuals. At Laguna El Escobal (Picaleña, Ibagué), a small group was initially seen in 2008, which spread to other municipal water bodies and Piedras (Fig. 7e).

Leucophaeus atricilla (Linnaeus, 1758)

Distribution: Ibagué, Libano, Alvarado

Notes: (v; ph) M. Photographic record in the black lagoon (Caldas), less than 200 m from the limits with the Tolima (ML 206785451).

Sternula superciliaris (Vieillot, 1819)

Distribution: Venadillo

Notes: (v) Several records near Honda

Phaetusa simplex (Gmelin, 1789)

Distribution: Ambalema, Armero-Guayabal, Honda, Suarez

Notes: (v; ph ML123250851). This species has been observed in the Magdalena River Basins (Honda, Ambalema and Girardot) and large lagoons in the Department. It usually forms groups of up to 12 individuals. At Laguna El Escobal (Picaleña, Ibagué), a small group was initiallyseen in 2008, which spread to other municipal water bodies and Piedras (Fig. 7e).

Eurypyga helias (Pallas, 1781)

Distribution: Chaparral

Notes: (ph ML99634321) An individual photographed by D. Ceballos

and an individual was photographed.

Mycteria americana Linnaeus, 1758

Distribution: Armero-Guayabal, Ibagué, Lerida

Notes: (v; ph ML118594791). New record - this species is occasionally observed in Tolima. This species has been observed below 1,000 m a.s.l. in a casual way since 2005 (Fig. 5f) in the Municipalities of Piedras, Ibagué, Alvarado and Venadillo.

Anhinga anhinga (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ibagué

Notes: (v; ph ML68428501)

Phalacrocorax brasilianus (Gmelin, 1789)

Distribution: Armero-Guayabal, Ambalema, Chaparral, Ibagué, Honda, Libano, Mariquita, Roncesvalles, Venadillo

Notes: (v; ph ML123251401)

Pelecanus occidentalis (Linnaeus, 1766)

Distribution: Ibagué, Prado

Notes: (v; ph **ML350019381**)

Tigrisoma lineatum (Boddaert, 1783)

Distribution: Ibagué, Falan

Notes: (v; ph). New record - an individual was observed on 5 January 2005 at the edge of the Lagoon El Toro. On 21 February 2015, D. Quintero registered an individual in the Sports Park. On 7 November 2010, a record was made by T. Rasmussen in Laguna del Hato. An observation was made in Vereda Chenche Aguafría on 7 December 2015 by C. Martínez. In 2015, an individual was photographed at the Prado Reservoir by W. Figueroa (Fig. 5a).

Cochlearius cochlearius (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ibagué, Prado

Notes: (v; ph ML123261191) EL. New record - an individual was photographed in Laguna El Toro (Municipality of Ibagué) on 5 December 2012 (Fig. 5b). On 14 May 2016, two individuals were spotted in Llanitos of Combeima by A. Buitrago (annotated record in Ebird).

Agamia agami (Gmelin, 1789)

Distribution: Ambalema, Piedras, Venadillo

Notes: (ph ML55849831). On 9 June 2014, an individual was photographed by J. Drucker in the Jabirú Reserve (Guayabal). On 2 September 2012, O. Marín registered an individual in the Village of Tavera (Venadillo Municipality). On 23 November 2015,

K. Certuche observed an individual in Venadillo and F. Espinosa photographed an individual in the same locality (pers. commun., F. Espinosa, Fig. 5d).

Ixobrychus exilis (Gmelin, 1789)

Distribution: Piedras

Notes: (ph ML118752031). New record - an individual was photographed at Finca Gascoña (Piedras) on the high pastures bordering a lagoon in the morning hours on 13 October 2018 (Fig. 5c). This record is the first of this species in the Upper Magdalena Valley.

Pilherodius pileatus (Boddaert, 1783)

Distribution: Armero-Guayabal, Ambalema, Ataco, Chaparral, Falan, Honda, Ibagué, Mariquita, Pi Planadas, Prado, Purificación, Venadillo

Notes: (v; ph ML63999381)

Syrigma sibilatrix (Temminck, 1824)

Distribution: Ambalema, Armero-Guayabal, Ibagué, Venadillo, Honda

Notes: (v; ph ML27837881). The first record of this species was made on 28 February 2005 at the lagoon complex of Salado (Ibagué) (Parra-Hernández et al. 2007). Later, different records were made towards the north of Tolima. In Pajonales (Ambalema), an individual was registered on 12 May 2016 by Y. Tolosa. Another record was made in Venadillo on 18 January 2015 (pers. commun., D. Garzón).

Egretta caerulea (Linnaeus, 1758)

Distribution: Doima, Ibagué, Piedras

Notes: (v; ph ML123255131) Mb

Egretta tricolor (Statius Muller, 1776)

Distribution: Armero-Guayabal

Notes: (v)

Egretta thula (Molina, 1782)

Distribution: Armero-Guayabal, Ambalema, Alvarado, Coyaima, Espinal, Falan, Ibagué, Piedras, Prado, Purificación, San Luis

Notes: (v; ph ML118593561)

Nyctanassa violacea (Linnaeus, 1758)

Distribution: Ambalema, Honda, Ibagué, Natagaima

Notes: (ph ML124779931)

Nycticorax nycticorax (Linnaeus, 1758)

Distribution: Piedras, Purificación, Ibagué, San Luis, Saldaña, Espinal, Flandes, Carmen de Apicala, Ambalema, Armero-Guayabal, Honda

Notes: (co USNM 444273; ph ML123259071)

Butorides striata (Linnaeus, 1758)

Distribution: Armero-Guayabal, Carmen de Apicala, Chaparral, Cajamarca, Coyaima, Cunday, Coyaima, Espinal, Guamo, Honda, Ibagué, Falan, Piedras, Prado, Purificación, San Luis, Venadillo

Notes: (v; au; co MLS 2947, MHN ICN 4372; ph ML123241141) WD

Butorides virescens (Linnaeus, 1758)

Distribution: Armero-Guayabal, Ambalema, Ibagué, Honda, San Luis

Notes: (v; co AMHN 94799; ph ML123240481). This is a casual species in the Department of Tolima. On 5 May 2017, an individual was observed in the rice fields of Ambalema; another individual was sighted on 10 January 2013 in the lagoon complex of Picaleña (Ibagué). Nick Bayly de Selva recorded an individual on 24 November 2012 in the paddy fields of Prado.

Bubulcus ibis (Linnaeus, 1758)

Distribution: Armero-Guayabal, Alvarado,Ambalema, Casabianca, Chaparral, Cajamarca, Coyaima, Cunday, Espinal, Falan, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Piedras, Planadas, Purificación, Rio Blanco, San Luis, Venadillo, Villarrica

Notes: (v; co MLS 78, CZUT OR1150; ph ML123255851) WD

Ardea alba Linnnaeus, 1758

Distribution: Armero-Guayabal, Alvarado,Ambalema, Chaparral, Coyaima, Espinal, Ibagué, Falan, Mariquita, Libano, Piedras, Prado, Purificación, San Luis, Venadillo

Notes: (v; ph ML63999471)

Ardea herodias Linnaeus, 1758

Distribution: Ibagué, Melgar, Mariquita

Notes: (v; ph ML 246484781) Migrant species with sporadic records in the Tolima.

Ardea cocoi Linnaeus, 1766

Distribution: Armero-Guayabal, Alvarado, Ambalema, Coyaima, Coyaima, Espinal, Ibagué, Piedras, Prado, Purificación

Notes: (v; co ICN 163; ph ML118593081)

Plegadis falcinellus (Linnaeus, 1766)

Distribution: Ambalema, Armero-Guayabal, Ibagué

Notes: (v; ph ML24371311). New record - an individual was spotted during the morning hours of 13 February 2016 in the sector of Picaleña, Laguna El Escobal, over 900 m a.s.l., foraging alone, but then together with other aquatic bird species. These sightings correspond to occasional sightings of the tropical dry forest (Fig. 5e) and are the first records of this species in the Upper Magdalena Valley.

Mesembrinibis cayennensis (Gmelin, 1789)

Distribution: Armero-Guayabal, Libano, Mariquita, Venadillo

Notes: (v)

Phimosus infuscatus (Lichtenstein, 1823)

Distribution: Armero-Guayabal, Ambalema, Casabianca, Coyaima, Coyaima, Ibagué, Falan, Honda, Mariquita, San Luis, Piedras, Prado, Purificación, Venadillo

Notes: (v; ca; co ICN 181787; ph ML123263751)

Theristicus caudatus (Boddaert, 1783)

Distribution: Ataco, Melgar, Ibagué

Notes: (v; ph ML 221533741). Common in beaches of the Magdalena River. New record - on 13 April 2016, an individual was observed and photographed by H. Cruz in the Municipality of Melgar. This person also observed two individuals in Las Villas (Ataco) on 4 December 2017 (pers. commun., H. Cruz). S. García registered an individual in the Rio Viejo Wetland on 18 January 2018.

Platalea ajaja (Linnaeus, 1758)

Distribution: Natagaima, Ambalema, Venadillo .

Notes: (v; ph ML645648414)

Sarcoramphus papa (Linnaeus, 1758)

Distribution: Armero - Guayabal, Alvarado,Chaparral, Coello, Coyaima, Espinal, Falan, Ibagué, Lerida, Libano, Mariquita, Honda, Natagaima, Piedras, Purificación, San Antonio, San Luis, Venadillo

Notes: (v; co MLS 220; ph ML123266381)

Vultur gryphus Linnaeus, 1758

Distribution: Anzoátegui, Ibagué, Murillo, Roncesvalles, Villahermosa

Notes: (v; ph ML118451711) NT

Coragyps atratus (Bechstein, 1793)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Anzoátegui, Casabianca, Cajamarca, Chaparral, Coyaima, Falan, Ibagué, Lerida, Libano, Prado, Santa Isabel, Rio Blanco, San Antonio, San Luis, Venadillo

Notes: (v; ph ML123267051)

Cathartes aura (Linnaeus, 1758)

Distribution: Armero-Guayabal, Ambalema, Casabianca, Cajamarca, Chaparral, Coyaima, Cunday, Dolores, Falan, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; ph ML123881471) M WD

Cathartes burrovianus Cassin, 1845

Distribution: Armero-Guayabal, Alvarado, Coyaima, Doima, Ibagué, Mariquita, Piedras, San Luis

Notes: (v; ph ML118594551) EL

Pandion haliaetus (Linnaeus, 1758)

Distribution: Armero-Guayabal, Alvarado,Coyaima, Ibagué, Falan, Melgar, Piedras, Prado, Purificación, Venadillo

Notes: (v; co CZUTOR 0465; ph ML123286261) M

Gampsonyx swainsonii Vigor, 1825

Distribution: Armero-Guayabal, Alvarado, Falan, Honda, Ibagué, Lerida, Mariquita, Melgar, San Luis, Venadillo

Notes: (v; co MHN-ICN 30736 v ph ML123287271)

Elanus leucurus (Vieillot, 1818)

Distribution: Ataco, Armero-Guayabal, Alvarado,Chaparral, Coyaima, Cunday, Espinal, Falan, Honda, Ibagué, Lerida, Mariquita, Melgar, Purificación, Santa Isabel, San Luis, Venadillo

Notes: (v; co MLS 234, MHN-ICN 8723; ph ML123917361)

Chondrohierax uncinatus (Temminck, 1822)

Distribution: Cajamarca, Falan, Libano, Purificación

Notes: (v; ph ML38703021). New record - in November 2015, a male individual was observed in the Municipality of Ibagué in a park near Jardín Botánico San Jorge (Botanical Garden); on 26 May 2017, May 2016 and 29 October 2018, an individual was observed in Piedecuesta (Falan). D. Johnston made a photographic record of an individual on 27 November 2012 (record in eBird). Photographic records are also known in Toche (Ibagué) and in Libano from the Santa Librada Reserve (pers. commun., M. Vallejo).

Leptodon cayanensis (Latham, 1790)

Distribution: Natagaima

Notes: (co MLS 244)

Elanoides forficatus (Linnaeus, 1758)

Distribution: Ataco, Fresno, Ibagué, Natagaima, Libano, Planadas, San Antonio

Notes: (v, co; ph ML25998311) M. On 17 October 2008, a group of 10 individuals was observed and recorded migrating over the mountains of the north-western hills of Ibagué (Clarita Botero). On 5 May 2018, an individual was photographed at Finca Villa Laura (Ibagué) by J. Vargas (Reg. eBird). There are also records of this species in Lérida, Falan and Las Hermosas.

Harpia harpyja (Linnaeus, 1758)

Distribution: Purificación

Notes: NT. Unspecified records in south of Tolima. Probably extinct in the region.

Spizaetus tyrannus (Wied, 1820)

Distribution: Ibagué, Falan, Libano

Notes: (v; ph ML72669871). New record - there have been a high number of records of this species in the last three years in Tolima. This species is easily identified by its peculiar song and silhouette. Records were made in the municipalities of Ibagué (towards the north-western hills), Líbano, Falan, Casabianca and Palocabildo (Fig. 6c).

Spizaetus isidori (Des Murs, 1845)

Distribution: Ibagué, Chaparral, Libano, Villarrica

Notes: (v) NT

Busarellus nigricollis (Latham, 1790)

Distribution: Armero-Guayabal, Ibagué, Venadillo

Notes: (v) One rec. A. Quevedo in Ibagué.

Rostrhamus sociabilis (Vieillot, 1817)

Distribution: Armero-Guayabal, Ambalema, Ibagué

Notes: (v; co; ph ML108050991) A few visual and photographic records were made in the Municipalities of Ibagué, Alvarado, Prado, Ambalema and Venadillo in 2010 with sightings below 1,000 m (photograph Figueroa W., Fig. 6a).

Harpagus bidentatus (Latham, 1790)

Distribution: Santa Isabel, Libano

Notes: (v)

Ictinia mississippiensis (Wilson, 1811)

Distribution: Armero-Guayabal, Ibagué, Libano, Venadillo, San Antonio

Notes: (v; ph ML118601361) M. A group of approximately 30 individuals was observed in migration on 17 October 2008, flying over the mountains of the north-western hills of Ibagué (Clarita Botero) with *Elanoides forficatus*. JF León observed and photographed five individuals in Venadillo on 8 April 2017. J. Castaño made records of this species in Girardot on 12 October 2016. Recently, on 20 October 2018, a group of 15 individuals was observed flying over the Municipality of Falan.

Ictinia plumbea (Gmelin, 1788)

Distribution: Armero-Guayabal, Chaparral, Ibagué, Piedras

Notes: (v; ph)

Accipiter striatus Vieillot, 1808

Distribution: Ibagué, Prado, Villarrica, San Antonio

Notes: (v; co ANSP 154990; ph ML123912051)

Astur bicolor (Viellot, 1817)

Distribution: Alvarado, Ibagué, Piedras, Purificación, San Luis, San Antonio

Notes: (v; co AMNH 132205). An uncommon species, it was observed in Totumo (900 m) in riparian forest surrounding a lagoon on 9 July 2017. Another record was made on 30 June 2017 in the Lagoon La vieja San Luis, in riparian forest and near the river. Another record was made by M. Cardona in Herveo on 23 April 2018 (registered in eBird).

Circus hudsonius (Linnaeus, 1766)

Distribution: Villahermosa

Notes: (co MHN-ICN 8699)

Circus buffoni (Gmelin, 1788)

Distribution: Armero-Guayabal, Ibagué

Notes: (v; ph ML63189841) EL. New record - in recent years, there have been several records of this species in Tolima. The first record corresponds to an individual observed perched on a fence in a rice field in Guayabal on 4 May 2009. On 8 August 2015, a female was recorded flying over the rice fields of Picaleña. On 21 July 2017, an individual was also photographed (Fig. 6b).

Microspizias collaris Sclater, 1860

Distribution: Ataco, Honda, Planadas, San Luis

Notes: (v; co MHN-ICN 685, NMNH 81887)

Geranospiza caerulescens (Vieillot, 1817)

Distribution: Armero-Guayabal, Ambalema, Espinal, Ibagué, Piedras, Falan

Notes: (v; co MLS 429; ph ML123293041)

Buteogallus anthracinus (Deppe, 1830)

Distribution: Honda, Ibagué

Notes: (v) Several visual records in low areas.

Buteogallus meridionalis (Latham, 1790)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Guamo, Espinal, Falan, Ibagué, Piedras, Purificación, Saldaña

Notes: (v; co MLS 31, WFVZ SS-20405; ph ML111644761)

Buteogallus urubitinga (Gmelin, 1788)

Distribution: Falan

Notes: (v)

Buteogallus solitarius (Tschudi, 1844)

Distribution: Ibagué, Murillo

Notes: (v; co CZUTOR 1423). New record - two visual records are known for this species in Tolima. One corresponds to a perched individual observed in October 2017 by D. Carantón in the path Juntas (pers. commun., D. Carantón). The second observation is a pair observed flying over Villa Restrepo on 13 October 2016 by J. Castaño. Another individual was collected in Murillo and deposited into the ornithology collection of the University of Tolima with catalogue OR 1423 on 18 November 2015 (J. Gil and N. Vega).

Morphnarchus princeps (Sclater, 1865)

Distribution: Ibagué, Villarrica

Notes: (ph; v). This uncommon species was observed on 16 November 2004 in the Laguna Venta Quemada (Alvarado) and in the Vereda Agua de Dios, Casabianca on 9 July 2019. H. Arias registered it in the urban area of Ibagué and J. Poveda registered it in the Agroecological Reserve Santa Librada on 22 October 2014 (Fig. 12b).

Figure 12.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Quiscalus mexicanus*, a species that has expanded its distribution; doi

b: *Morphnarchus princeps*; doi

c: *Quiscalus lugubris*, a species that has expanded its distribution; doi

d: *Euphonia concinna*, an endemic species. doi

Rupornis magnirostris (Gmelin, 1788)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Anzoátegui, Ataco, Casabianca, Cajamarca, Chaparral, Carmen de Apicala, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Murillo, Planadas, Prado, Purificación, Rio Blanco, Santa Isabel, San Antonio, San Luis, Venadillo, Villarrica, Villahermosa

Notes: (v; au XC424599; co MLS 328, CZUTOR 0622; ph ML115211821) WD

Parabuteo unicinctus (Temminck, 1824)

Distribution: Ibagué

Notes: (v; ph ML 194699361). A few records of this species have been registered in the area. An individual was observed perched on a tree on 11 July 2005. On 12 July 2006, an individual was observed in an area near the Perales de Ibagué Airport, in a forest relic near a lagoon.

Parabuteo leucorrhous (Quoy & Gaimard, 1824)

Distribution: Falan, Ibagué, Líbano

Notes: (v; co, ph ML 247144681). There are various records of this species in the Department. On 19 November 1989, Peter Kaestner recorded it in Toche. This species has also been registered in Juntas (Ibagué), Piedecuesta (Falan) and Polca (Líbano).

Gerenoaetus albicaudatus (Vieillot, 1816)

Distribution: Armero-Guayabal, Ibagué, Mariquita, Melgar, San Antonio, Santa Isabel, San Luis, Venadillo

Notes: (v; co MHN-ICN 728; ph ML115212841)

Gerenoaetus polyosoma (Quoy & Gaimard, 1824)

Distribution: Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; co AMHN 111403)

Geranoaetus melanoleucus (Vieillot, 1819)

Distribution: Cajamarca, Ibagué, Murillo

Notes: (v; ph ML78851871)

Buteo nitidus (Latham, 1790)

Distribution: Armero-Guayabal, Alvarado, Chaparral, Falan, Mariquita, Melgar, Ibagué, Planadas, San Antonio

Notes: (V; co ICN 10866; ph ML123829971)

Buteo platypterus (Vieillot, 1823)

Distribution: Ataco, Cajamarca, Ibagué, Falan, Fresno, Honda, Lerida, Libano, Murillo, Planadas, San Luis, San Antonio

Notes: (V; ca; co MHN-ICN 13329, CZUTOR 0221; ph ML84679171) M

Buteo albigula Philippi, 1899

Distribution: Ibagué

Notes: (v; ph ML115212321)

Buteo brachyurus Viellot, 1816

Distribution: Armero-Guayabal, Cajamarca, Chaparral, Ibagué, San Antonio, San Luis

Notes: (v; ph ML107748731)

Buteo swainsoni Bonaparte, 1838

Distribution: Cunday, Espinal, Guamo, Honda, Ibagué, Falan, Lerida, Murillo, San Antoni

Notes: (v; co MHN-ICN 8367; ph ML47562641) M

Buteo jamaicensis Gmelin, 1788

Distribution: Ibagué

Notes: (v) M. New record - this is an unusual species that was observed on 25 January 2010, migrating at a low altitude of 900 m a.s.l. in a dry forest zone of the Municipality of Ibagué near the canyon of the Combeima River. Individuals were flying low and were identified by the red tail and black subterminal on the tail.

Tyto furcata (Temminck, 1827)

Distribution: Anzoátegui, Alvarado,Espinal, Herveo, Honda, Falan, Ibagué, Libano, Murillo, Prado, Purificación, Villahermosa, Villarrica

Notes: (v; co MLS 1334; ph)

Megascops albogularis (Cassin, 1849)

Distribution: Ibagué, Roncesvalles, Murillo, San Antonio

Notes: (v; au ML 233621091; co)

Megascops choliba (Vieillot, 1817)

Distribution: Armero-Guayabal, Casabianca, Chaparral, Coyaima, Espinal, Falan, Natagaima, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Planadas, Prado, Purificación, San Antoni, Villarrica

Notes: (v; au; co MPUJ 733, CZUTOR 213, MLS 1360; ph ML27840031)

Lophostrix cristata (Daudin, 1800)

Distribution: Chaparral

Notes: (v) M. Moreno

Pulsatrix perspicillata (Latham, 1790)

Distribution: Ambalema, Honda, Villahermosa

Notes: (au; ca)

Bubo virginianus (Gmelin, 1788)

Distribution: Espinal, Ibagué, Purificación

Notes: (v; co MLS 7773)

Strix virgata (Cassin, 1849)

Distribution: Cajamarca, Falan, Ibagué, Icononzo, Libano, San Antonio

Notes: (v; au ML81694 co ANSP 155086, CZUTOR 0178; ph ML79778021)

Strix nigrolineata Sclater, 1859

Distribution: Coyaima Ibagué, Purificación, Saldaña

Notes: (co MLS 1411; ph ML 240304101)

Strix albitarsis (Bonaparte, 1850)

Distribution: Cajamarca, Ibagué

Notes: (v; co ANSP 155084)

Glaucidium jardinii (Bonaparte, 1855)

Distribution: Cajamarca, Ibagué

Notes: (au ML 198292011; ph ML 37878561)

Glaucidium brasilianum (Gmelin, 1788)

Distribution: Honda, Ibagué

Notes: (co ANSP 154698)

Athene cunicularia (Molina, 1782)

Distribution: Armero-Guayabal, Ambalema, Coyaima, Ibagué, Guamo, Honda, Saldaña, San Luis, Saldaña

Notes: (v; co MLS 8324; ph ML98822281)

Aegolius harrisii (Cassin, 1849)

Distribution: Ibagué

Notes: (v)

Asio clamator (Vieillot, 1807)

Distribution: Armero-Guayabal, Cajamarca, Espinal, Falan, Honda, Ibagué, Lerida, Mariquita, Planadas, Venadillo

Notes: (v; ca; co MLS 1424, CZUT-OR1343)

Asio stygius (Wagler, 1832)

Distribution: Ibagué, Espinal, Guamo, Fresno

Notes: (v; ca; co MLS 3169, CZUTOR 251; ph ML24063731)

Asio flammeus (Pontoppidan, 1763)

Distribution: Ibagué

Notes: (v; A photographic record at the border with caldas in Nevado del Ruiz ML 133046581).

Pharomachrus auriceps (Gould, 1842)

Distribution: Ibagué, Planadas, Roncesvalles, San Antonio

Notes: (V; au; co SIB 5959; ph ML78998721)

Pharomachrus antisianus (d'Orbigny, 1837)

Distribution: Ataco, Ibagué, Libano, Murillo, San Antonio

Notes: (co MHN-ICN 9128)

Trogon melanurus Swainson, 1838

Distribution: Honda, Icononzo

Notes: (co)

Trogon chionurus Sclater & Salvin, 1870

Distribution: Honda, Mariquita

Notes: (v; co AMNH-SKIN 94848) Several searches at the border with the Department of Caldas between Victoria and Albania.

Trogon viridis Linnaeus, 1766

Distribution: Honda

Notes: (co AMHN 94848)

Trogon rufus Gmelin, 1788

Distribution: Honda

Notes: (co)

Trogon collaris Vieillot, 1817

Distribution: Cajamarca, Ibagué, Honda, Planadas, San Antonio, Santa Isabel

Notes: (v; au ML 99165581; co ANSP 154666; ph ML99188281)

Trogon personatus Gould, 1842

Distribution: Anzoátegui, Cajamarca, Falan, Ibagué, Icononzo, Murillo, San Antonio, Santa Isabel

Notes: (v; au XC421113; co ANSP 35272; ph ML115212921)

Baryphthengus martii (Spix, 1824)

Distribution: Ambalema, Falan, Honda, Mariquita

Notes: (v; co MHNP 1889)

Momotus subrufescens Sclater, 1853

Distribution: Armero-Guayabal, Ambalema, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Espinal, Falan, Guamo, Lerida, Libano, Honda, Ibagué, Mariquita, Santa Isabel, San Luis, Venadillo

Notes: (v; au XC384417; ca; co MLS 261, CZUTOR 717; ph ML99192751)

Momotus aequatorialis Gould, 1858

Distribution: Anzoátegui, Ataco, Casabianca, Carmen de Apicala, Espinal, Falan, Guamo, Lerida, Libano, HerVenadilloo, Honda, Ibagué, Rio Blanco, Santa Isabel, San Luis, Venadillo, San Antonio

Notes: (v; au XC425859; co MLS 267, CZUTOR 474; ca; ph ML72670341)

Megaceryle torquata (Linnaeus, 1766)

Distribution: Armero-Guayabal, Cunday, Espinal, Falan, Honda, Ibagué, Mariquita, Melgar, Prado, Purificación, Roncesvalles, Venadillo

Notes: (v; au; co MLS 2543, CZUTOR 812; ph ML120513441)

Chloroceryle amazona (Latha, 1790)

Distribution: Armero-Guayabal, Chaparral, Coyaima, Cunday, Guamo, Espinal, Falan, Honda, Ibagué, Mariquita, Prado, Purificación, San Luis

Notes: (v; au; co MLS 2553, CZUTOR 202; ph ML110076711)

Chloroceryle aenea (Pallas, 1764)

Distribution: Armero-Guayabal, Ambalema, Espinal, Honda

Notes: (v; ca; co MLS 2587)

Chloroceryle americana (Gmelin, 1788)

Distribution: Armero-Guayabal, Chaparral, Coyaima, Espinal, Falan, Gualanday, Guamo, Honda, Ibagué, Lerida, Mariquita, Ortega, Prado, Purificación, San Luis

Notes: (v; au; co MLS 2571, CZUTOR 0105; ph ML98326261)

Galbula ruficauda Cuvier, 1816

Distribution: Armero-Guayabal, Ambalema, Carmen de Apicala, Chaparral, Coyaima, Cunday, Espinal, Guamo, Gualanday, Honda, Ibagué, Falan, Natagaima, Mariquita, Prado, Purificación, Saldaña, Venadillo, Villarrica

Notes: (v; au XC420247; co MLS 2701, CZUTOR 262; ph ML123187971; ca;)

Notharchus hyperhynchus (Sclater, 1856)

Distribution: Ambalema, Coyaima, Espinal, Honda, Prado, San Luis

Notes: (co MLS 2732)

Notharchus tectus (Boddaert, 1783)

Distribution: Espinal, Mariquita, Honda

Notes: (co NHMA 73190)

Nystalus radiatus (Sclater, 1854)

Distribution: Ambalema, Carmen de Apicala, Coyaima, Espinal, Falan, Honda, Ibagué, Mariquita, Melgar, Purificación, Saldaña, Venadillo

Notes: (v; co MLS 8274; ph ML123875481)

Hypnelus ruficollis (Wagner, 1829)

Distribution: Armero-Guayabal, Falan, Libano, Mariquita, Natagaima, Honda

Notes: (v; co CZUTOR 0944; ph ML123914791)

Malacoptila mysticalis (Lafresnayi, 1850)

Distribution: Falan, Fresno, Honda, Ibagué, Prado, San Antonio

Notes: (v; ca; co AMHN 94885; ph ML123915971)

Monasa morphoeus (Hahn & Kuster, 1823)

Distribution: Honda

Notes: (co MCZ 124974)

Capito hypoleucus Salvin, 1897

Distribution: Falan, Fresno, Honda, Libano, Mariquita

Notes: (v; co AMHN 94855; ph ML99183031) EN E. This endemic species is permanently registered in the north of Tolima in Líbano, Falan, Fresno and Mariquita. It is frequently identified by its song and is commonly observed in pairs, especially in established secondary forest and with the presence of yarumos (*Cecropia* sp.) (Fig. 9 d).

Eubucco bourcierii (Lafresnaye, 1845)

Distribution: Ataco, Cunday, Dolores, Falan, Icononzo, Planadas, Villarrica

Notes: (v; ca; co MHN-ICN 24913, CZUT OR0887; ph)

Ramphastos ambiguus (Swinson, 1823)

Distribution: Ataco

Notes: (co MHN – ICN; ph ML 99154131)

Ramphastos vitellinus Litchtenstein, 1823

Distribution: Honda, Mariquita

Notes: (co AMNH 94859)

Aulacorhynchus albivitta (Gold, 1833)

Distribution: Anzoátegui, Ataco, Casabianca, Cajamarca, Dolores, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au-XC95833; co MHN-ICN 11286, CZUTOR 688; ph ML123892881)

Aulancorhynchus haematopygus (Gould, 1835)

Distribution: Ataco, Falan, Ibagué, Honda, San Antonio, Villarrica

Notes: (v; co CZUTOR 919; ph ML 158776161)

Andigena hypoglauca (Gould, 1833)

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; au; co ML 126300; ph ML85221791) NT

Andigena nigrirostris (Waterhouse, 1839)

Distribution: Cajamarca, Ibagué, Murillo, Roncesvalles, San Antonio

Notes: (v; au XC426296; co ML 126303; ph ML115212081)

Pteroglossus torquatus (Gmelin, 1788)

Distribution: Armero-Guayabal, Honda

Notes: (v; co AMHN 94862; ph ML28756191)

Picumnus olivaceus Lafresnaye, 1845

Distribution: Armero-Guayabal, Chaparral, Cajamarca, Carmen de Apicala, Dolores, Espinal, Guamo, Falan, Honda, Ibagué, Lerida, Mariquita, Melgar, Planadas, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au XC424740ca; co MLS 3249, CZUTOR 142; ph ML123909111) WD

Melanerpes formicivorus (Swainson, 1827)

Distribution: Anzoátegui, Ataco, Chaparral, Dolores, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio

Notes: (v; au XC96320; co MHN-ICN 1568; ph ML123912431)

Melanerpes pulcher Sclater, 1870

Distribution: Honda, Falan, Libano

Notes: (v; co AMHN 94899)

Melanerpes rubricapillus (Cabanis, 1862)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Ataco, Cajamarca, Chaparral, Coyaima, Cunday, Dolores, Espinal, Honda, Ibagué, Falan, Lerida, Libano, Mariquita, Melgar, Planadas Purificación, Rio Blanco, San Antonio, San Luis, Venadillo

Notes: (v; au; ca; co MLS 315, CZUTOR 129; ph ML123938441) WD

Dryobates fumigatus (d'Orbigny, 1840)

Distribution: Ataco, Falan, Ibagué, Icononzo, Planadas, San Antonio

Notes: (v; co MHN-ICN 1665; ph ML85278961)

Dryobates kirkii (Malherbe, 1845)

Distribution: Armero-Guayabal, Chaparral, Coyaima, Dolores, Espinal, Ibagué, Gualanday, Guamo, Falan, Honda, Lerida, Mariquita, Planadas, Prado, Purificación, San Antonio, San Luis, Venadillo Villarrica

Notes: (v; ca; co MLS 3198, CZUTOR 98; ph ML98795211)

Dryobates dignus (Sclater & Salvin, 1877)

Distribution: Espinal, Herveo, Ibagué, Planadas, San Antonio, Santa Isabel

Notes: (v; ph ML99043281)

Dryobates nigriceps (d'Orbigny, 1840)

Distribution: Cajamarca, Ibagué, San Antonio, Santa Isabel

Notes: (v; co ANSP 155073; ph ML98890091)

Campephilus pollens (Bonaparte, 1845)

Distribution: Casabianca, Falan, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; ph ML25981251)

Campephilus melanoleucos (Gmelin, 1788)

Distribution: Armero-Guayabal, Anzoátegui, Falan, Honda, Ibagué, Santa Isabel, Villarrica

Notes: (v; co AMHN 94901; ph)

Dryocopus lineatus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ataco, Cunday, Falan, Honda, Ibagué, Piedras, Prado, Rio Blanco, San Antonio, Villarrica

Notes: (v; au XC424647; co AMHN 94902 ph ML47582601)

Colaptes rubiginosus (Swainson, 1820)

Distribution: Anzoátegui, Casabianca, Falan, Herveo, Honda, Ibagué, Libano, Murillo, Planadas, San Antonio, Villarrica

Notes: (v; au ML98598481; co; ph ML123911261)

Colaptes rivolii (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Planadas, San Antonio, Santa Isabel

Notes: (v; au-XC96279; ca; co CZUTOR 058; ph ML123901241)

Colaptes punctigula (Boddaert, 1783)

Distribution: Armero-Guayabal, Alvarado, Ataco, Coyaima, Cunday, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Murillo, Venadillo, Villarrica

Notes: (v; au XC420375; ca; co CZUTOR 490, MLS 397; ph ML123907681)

Herpetotheres cachinnans (Linnaeus, 1758)

Distribution: Armero-Guayabal, Chaparral, Carmen de Apicala, Coyaima, Espinal, Honda, Ibagué, Falan, Mariquita, San Luis, Venadillo, San Antonio

Notes: (v; au-XC335012 co MLS 436, MHN-ICN 13236; ph ML123896221)

Micrastur ruficollis (Vieillot, 1817)

Distribution: Anzoátegui, Espinal, Falan, Ibagué, Libano, San Antonio

Notes: (v; au; ca; co CZUTOR 600; ph). There are a few records of this species in the Department. An adult was collected (CZUT-OR - 600) on 18 February 2007 in the mature forest on the Ambala, in the north-western hills (Molina-Martínez 2014). On 19 February 2017, an individual was identified by vocalisation in La Mariposa (Ibagué). Other records from other authors were made in Ibagué and Líbano (registered in eBird).

Micrastur semitorquatus (Vieillot, 1817)

Distribution: Armero-Guayabal, Ibagué

Notes: (au ML58233971) EL. Probably all over Tolima below 1000 m a.s.l. A few records have been made in Tolima. On 10 February 2007, an individual was

observed by the Tolima Bird Observer Group (GOAT) in Piedras. D. Carantón observed an individual in the Tabares Hacienda, Vereda Tavera on 13 April 2016. We observed an individual in Totumo and Salado on 9 July 2017 and 30 September 2017, respectively.

Caracara plancus (Jacquin, 1784)

Distribution: Alvarado, Armero-Guayabal, Anzoátegui, Chaparral, Cajamarca, Coyaima, Dolores, Guamo, Purificación, Honda, Ibagué, Falan, Libano, Mariquita, Murillo, Prado, Roncesvalles, San Antonio, San Luis, Venadillo

Notes: (v; au; ph ML111644711) WD

Phalcobaenus carunculatus Des Murs, 1853

Distribution: Cajamarca, Ibagué, Roncesvalles

Notes: (v; ph ML30790131) CE

Milvago chimachima (Viellot, 1816)

Distribution: Armero-Guayabal, Alvarado,Ambalema, Carmen de Apicala, Cajamarca, Chaparral, Cunday, Coyaima, Dolores, Espinal, Falan, Guamo, Honda, Ibagué, Mariquita, Murillo, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au; co MLS 467, MHN-ICN 13225; ph ML110073261) WD

Falco sparverius Linnaeus, 1758

Distribution: Armero-Guayabal, Alvarado, Ataco, Cajamarca, Carmen de Apicala, Coyaima, Cunday, Espinal, Guamo, Honda, Ibagué, Libano, Murillo, Natagaima, Planadas, Purificación, Santa Isabel, San Luis, Roncesvalles, San Antonio, Venadillo, Villahermosa, Villarrica

Notes: (v; au; co MLS 500, WFVZ SS-20731; ph ML109291181) WD

Falco columbarius Linnaeus, 1758

Distribution: Cajamarca, Coyaima, Cunday, Ibagué, Libano, Melgar, Villarrica

Notes: (v; ph ML 149038251) M

Falco rufigularis Daudin, 1800

Distribution: Armero-Guayabal, Guamo, Ibagué, Honda, Libano, Mariquita, San Luis

Notes: (v; au XC423694; co MLS 472)

Falco deiroleucus Temminck, 1825

Distribution: Purificación

Notes: (co MLS 471)

Falco femoralis Temminck, 1822

Distribution: Armero-Guayabal, Guamo, Ibagué, Mariquita, Purificación, San Antonio, San Luis

Notes: (v; co MLS 483; ph ML35419481)

Falco peregrinus Tunstall, 1771

Distribution: Ibagué, San Luis

Notes: (v; ph ML75626811) M

Touit stictopterus P. L. Sclater, 1862

Distribution: San Antonio

Notes: (v; ph ML 251432391) New record - This unusual species in the Department was observed for the first time on 20 July 2020 in Reserva Natural Finca El Manantial (Parra-Hernández et al. 2022).

Bolborhynchus lineola (Cassin, 1853)

Distribution: Ibagué, Cajamarca, Libano

Notes: (v; au). New record - this parrot usually goes unnoticed in Tolima. We observed it in Cajamarca (Anaime) flying over 2400 m a.s.l. on 23 September 2016. In the Municipality of Líbano, in the locality called La Trigrera, we observed several groups of 5 - 10 individuals in January 2011 and December 2017.

Bolborhynchus ferrugineifrons (Lawrence, 1880)

Distribution: Anzoátegui, Casabianca, Ibagué, Libano, Santa Isabel

Notes: (v; au ML90032081; co SIB A6800; ph ML58185821) E VU. This endemic parrot was observed in the páramo zone, in the Municipalities of Murillo and permanently in the Cabaña (pers. commun., Yuli Rincón) in groups of 8 - 25 individuals. It has also been registered in Anzoátegui, Ibagué and other páramo zones of the Department (Fig. 8d).

Brotogeris jugularis (Statius Muller, 1776)

Distribution: Armero-Guayabal, Alvarado, Ataco, Casabianca, Chaparral, Carmen de Apicala, Cunday, Dolores, Espinal, Falan, Honda, Ibagué, Falan, Lerida, Libano, Mariquita, Melgar, Planadas, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo

Notes: (v; au XC384416; ca; co MLS 1171; ph ML83887931) WD

Hapalopsittaca amazonina (Des Murs, 1845)

Distribution: Anzoátegui, Planadas, Roncesvalles

Notes: (v) E VU. This parrot can be seen in relics of forest and forests of Roncesvalles, Anzoátegui and Murillo at 2700 to 3000 m a.s.l..

Hapalopsittaca fuertesi (Chapman, 1912)

Distribution: Cajamarca, Ibagué, Roncesvalles, Santa Isabel

Notes: (v; ph https://www.inaturalist.org/photos/29051444) E CR. There are several recent records for this endemic parrot. These records include new locations for the species in Colombia. Since 2015, it has been observed in Fuertes's Parrot Bird Reserve (Cajamarca), with a photographic record from Stephan Lorens in eBird (ML 148379031). In June 2015, it was also observed in the Reserva Semillas de Agua (Cajamarca). J. Sanabria registered it in the Municipality of Ibagué near the Combeima River Canyon on 3 August 2017 and in Tochecito on 5 May 2018.

Pyrilia pyrilia (Bonaparte, 1853)

Distribution: Casabianca, Villarricallahermosa, Villarrica

Notes: (v, au)

Pionus tumultuosus (Tschudi, 1844)

Distribution: Falan, Ibagué, Planadas, Prado, Villarrica

Notes: (v; au ML97307511; co ANSP 155096; ph ML23771431)

Pionus menstruus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ambalema, Alvarado, Chaparral, Honda, Ibagué, Falan, Mariquita, San Antonio, Villarrica

Notes: (v; au; co; ph ML35418741)

Pionus chalcopterus (Fraser, 1841)

Distribution: Ataco, Cajamarca, Ibagué, Libano, Planadas, Rio Blanco, San Antonio

Notes: (v; au; co MHN-ICN 10832; ph ML49801261)

Amazona ochrocephala (Gmelin, 1788)

Distribution: Armero-Guayabal, Chaparral, Cunday, Falan, Honda, Ibagué, Mariquita, Prado, San Antonio, Venadillo, Villarrica

Notes: (v; au XC425945; co AMHN 121484; ph ML119357191)

Amazona amazonica (Linnaeus, 1766)

Distribution: Falan, Ibagué, Santa Isabel, Venadillo, Piedras

Notes: (v; ph ML 167041761) INT

Amazona mercenarius (Tschudi, 1844)

Distribution: Anzoátegui, Ataco, Cajamarca, Ibagué, Santa Isabel

Notes: (v; au; co MHN-ICN 10696; ph ML22279591)

Forpus conspicillatus (Lafresnaye, 1848)

Distribution: Armero-Guayabal, Ambalema, Alvarado, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Cunday, Dolores, Espinal, Falan, Honda, Ibagué, Icononzo, Fresno, Lerida, Libano, Mariquita, Planadas, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au XC386426; ca; co MLS 1117, CZUTOR 009; ph ML117706921) WD

Pyrrhura melanura (Spix, 1824)

Distribution: Ataco, Planadas, Villarrica

Notes: (v; au; co MHN-ICN 10640; ph ML98752671)

Eupsittula pertinax (Linnaeus, 1758)

Distribution: Espinal, Ibagué, Mariquita

Notes: (v; au; co; AMHN 111439; ph ML123937751). This wandering species has been observed in some areas of Tolima in some seasons, specifically in the Municipalities of Ibagué, Mariquita, Venadillo and Piedras and mainly below 1300 m

a.s.l. For the first time in Tolima, we registered two individuals on 16 February 2007 (Bird Observers Group of Tolima, GOAT).

Ara ararauna (Linnaeus, 1758)

Distribution: Mariquita, Honda

Notes: Visual record of E. Herrera. New record - this species was sporadically observed north of Tolima in Honda and Mariquita in June 2016. On 18 March 2018, E. Herrera registered two individuals in Honda. In the Magdalena River area, some individuals have been permanently recorded flying over Ricaurte (Cundinamarca) within the limits of Tolima. A. Armando registered an individual on 5 May 2017 in the same location.

Ara severus (Linnaeus, 1758)

Distribution: Alvarado, Ibagué, Honda, Mariquita, Melgar

Notes: (v; ph)

Ara militaris (Linnaeus, 1766)

Distribution: Prado, Melgar, Villahermosa

Notes: (v; ph ML83421601). New record - there are a few records of this species in Tolima. N. Bayly observed 25 individuals in the eastern area of the Department in Prado on 30 December 2010 (pers. commun., N. Bayly). Two individuals were observed by C. Guevara on 19 February 2018 in Carmen de Apicala and another individual was recorded by M. Quimbayo on 5 May 2018 in Villarrica (Fig. 8b).

Ara macao (Linnaeus, 1758)

Distribution: Melgar

Notes: Close to Girardot, Ricaurte and Melgar (5 minutes from Tolima), a record in Melgar (5 individuals).

Leptosittaca branickii Berlepsch & Stolzmann, 1894

Distribution: Anzoátegui, Cajamarca, Ibagué, Santa Isabel

Notes: (v; au; co ICN 33030; ph ML22278521) VU. This species was observed in high areas of Tolima on 19 November 1989 by P. Kaestner, who registered it in Toche, occurring in groups of more than 50 individuals. We have been recording groups between 20 and 30 individuals since 6 March 2006 in the Combeima River

Canyon (Ibagué) above 2600 m a.s.l. in the locality of El Silencio. Individuals have also been recorded in Roncesvalles, Murillo and Santa Isabel.

Ognorhynchus icterotis (Massena & Souance, 1854)

Distribution: Cajamarca, Ibagué, Murillo, Roncesvalles, San Antonio

Notes: (au XC420539; co CZUTOR 1073; ph ML74640611) CE CR. This species is critically endangered and even considered extinct in some areas. Its numbers have expanded, being registered in Páramo Anaime (Cajamarca) on 23 September 2006, reported in numbers greater than 80 individuals in September 2018 in Murillo (pers. commun., Y. Rincón) and registered in Roncesvalles and Toche (Ibagué) (Fig. 8c).

Psittacara wagleri (Gray, 1845)

Distribution: Armero-Guayabal, Chaparral, Cunday, Espinal, Falan, Honda, Ibagué, Natagaima, Mariquita, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Villarrica

Notes: (v; au XC386650; co MLS 1059; ph ML83420811)

Euchrepomis callinota (Sclater, 1855)

Distribution: Villahermosa

Notes: (v; au)

Taraba major (Vieillot, 1816)

Distribution: Armero-Guayabal, Falan, Santa Isabel, Libano, Mariquita, Honda

Notes: (v; co MLS 3573)

Thamnophilus doliatus (Linnaeus, 1764)

Distribution: Armero-Guayabal, Casabianca, Chaparral, Carmen de Apicala, Cunday, Coyaima, Dolores, Espinal, Falan, Honda, Ibagué, Lerida, Mariquita, Melgar, Libano, Ortega, Planadas, Prado, Purificación, San Luis, Rio Blanco, Venadillo, Villarrica

Notes: (v; au ML81693; co MLS 3634, CZUTOR 867; ph ML123186171)WD

Thamnophilus multistriatus Lafresnaye, 1844

Distribution: Anzoátegui, Casabianca, Falan, Fresno, Ibagué, Lerida, Planadas, Rio Blanco, San Antonio, Villarrica

Notes: (v; au XC421089, ML120515771; co AMHN 94914, CZUTOR 552) CE. The antbird, which is relatively common in the Department, usually displaces *T. doliatus* at altitudes above 1100 or 1200 m a.s.l. It is typically located between 1300 and 2100 m a.s.l. (Fig. 9e).

Thamnophilus atrinucha Salvin & Godman, 1892

Distribution: Ambalema, Chaparral, Coyaima, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Mariquita, Prado, San Luis, Venadillo

Notes: (v; au XC424615, CZUT-OR1414; co MLS 3684; ph ML24068471)

Thamnophilus nigriceps Sclater, 1869

Distribution: Espinal, Falan, Fresno, Honda, Mariquita, San Luis

Notes: (v; co AMHN 94923)

Thamnophilus unicolor (Sclater, 1859)

Distribution: Cunday, Ibagué, Libano

Notes: (au ML66936501; co CZUTOR 0561; ph ML44331801)

Dysithamnus mentalis (Temminck, 1823)

Distribution: Anzoátegui, Ibagué, Honda, Libano, Piedras, Rio Blanco, San Antonio, Villahermosa

Notes: (au-XC421232; ca; co CZUTOR 1443)

Epinecrophylla fulviventris (Lawrence, 1862)

Distribution: Ibagué

Notes: (v; au, co ML 141938061)

Myrmotherula pacifica Hellmayr, 1911

Distribution: San Luis, Mariquita

Notes: (v) Some records in eBird on the border with Caldas in the Guarino River Basin.

Myrmotherula axillaris (Vieillot, 1817)

Distribution: Armero-Guayabal, Mariquita, Prado

Notes: (v)

Myrmotherula schisticolor (Lawrence, 1865)

Distribution: Falan, Villahermosa, Ibagué

Notes: (v; ca)

Formicivora grisea (Boddaert, 1783)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Cunday, Espinal, Honda, Ibagué, Icononzo, Falan, Lerida, Mariquita, Melgar, Planadas, Prado, Purificación, Rio Blanco, San Luis, Venadillo, Villarrica

Notes: (v; au-XC386651; co MLS 3776, CZUTOR 278; ph ML123886091)

Drymophila striaticeps Chapman, 1912

Distribution: Cajamarca, Ibagué, Libano

Notes: (v; au ML96502701; co; ph)

Cercomacroides parkeri Graves, 1997

Distribution: Falan, Fresno, Libano

Notes: (v; au XC198035)

Cercomacroides tyrannina (Sclater, 1855)

Distribution: Chaparral, Cunday, Falan, Honda, Ibagué, Lerida, Prado, Rio Blanco, Venadillo

Notes: (v; au-XC157409; co CZUTOR 0420)

Cercomacra nigricans Sclater, 1858

Distribution: Armero-Guayabal, Carmen de Apicala, Coyaima, Espinal, Melgar, San Luis, Mariquita

Notes: (v; au; co MHN-ICN 12503, WFVZ SS-25947; ph)

Pyriglena maura (Ménétriés, 1835)

Distribution: Planadas

Notes: (au)

Myrmeciza longipes (Swainson, 1825)

Distribution: Armero-Guayabal, Ambalema, Carmen de Apicala, Coyaima, Cunday, Dolores, Espinal, Falan, Honda, Ibagué, Libano, Mariquita, Melgar, Prado, Purificación, Rio Blanco, San Luis, Venadillo, Villarrica

Notes: (v; au XC424466; ca; CZUTOR 0108; ph ML65475771)

Poliocrania exsul (Sclater, 1859)

Distribution: Armero-Guayabal, Falan

Notes: (v; au)

Sipia palliata (Todd, 1917)

Distribution: Falan, Fresno, Ibagué, Libano

Notes: (v; au; ph ML26341731, ML 151083641). New record - individual observed by H. Arias in Ibagué. Like many species in its group, it is difficult to see and identify. There are some records from Tolima, Falan, Líbano and Ibagué at about 1200 to 1400 m a.s.l. On 24 March 2017, F. Espinosa photographed this species in Líbano. In Falan, it was observed by A. Pinto on 24 July 2016. In Ibagué, the first record was made by H. Arias and W. Figueroa in the Village of Chembe at 1350 m a.s.l. (pers. commun., W. Figueroa).

Hafferia immaculata (Lafresnaye, 1845)

Distribution: Ibagué, Fresno, Honda, Santa Isabel

Notes: (v; au; ca; co CUMV 7147; ph ML25604801)

Grallaria squamigera Prevost & Des Murs, 1842

Distribution: Anzoátegui, Cajamarca, Ibagué, Roncesvalles, Santa Isabel

Notes: (v; co CZUTOR 1310; au ML97306261)

Grallaria alleni Chapman, 1912

Distribution: Ibagué

Notes: au ML 176339131

Grallaria guatimalensis (Prevost & Des Murs, 1842)

Distribution: Planadas, San Antonio

Notes: (au ML 513615651, ML 513615661; ph ML 261346921)

Grallaria ruficapilla Lafresnaye, 1842

Distribution: Anzoátegui, Cajamarca, Falan, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel

Notes: (v; au XC424625, co; ph ML78998811)

Grallaria nuchalis Sclater, 1860

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Roncesvalles

Notes: (v; au XC420919, ML97303881; co SIB)

Grallaria rufocinerea Sclater & Salvin, 1879

Distribution: Ibagué, Roncesvalles

Notes: (au) CE VU

Grallaria hypoleuca Sclater, 1855

Distribution: Casabianca, Villahermosa

Notes: (au ML 246568861) New record - this species was registered only in one place (Casabianca) in the Department on 26 December 2016. Its presence was strengthened by auditory identification on 5 May 2018 by F. del Castillo.

Grallaria saturata Domaniewski & Stolzmann, 1918

Distribution: Cajamarca, Ibagué, Santa Isabel

Notes: (v; au-ML116201201; co SIB; ph ML119865521)

Grallaria quitensis Lesson, 1844

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; au XC96374; co SIB; ph ML45289051)

Grallaria milleri (Chapman, 1912)

Distribution: Cajamarca, Herveo, Ibagué

Notes: (v; au XC424621; ph ML78998821) E EN

Grallaricula flavirostris (Chapman, 1924)

Distribution: Villahermosa

Notes: (au ML 158190801; co; ph)

Grallaricula lineifrons (Chapman, 1924)

Distribution: Cajamarca, Ibagué, Roncesvalles

Notes: (ca; co CZUTOR 1255; ph ML28900731) New report - the first photographic record of the species was made by J. Sanabria on 8 August 2013 at Laguna Las Mellizas, Roncesvalles (Moreno and Losada 2016) at over 3100 m a.s.l. More recently, it has been registered in Toche (Ibagué) and photographed by J. Sanabria and H. Arias. The species is usually heard in the area that divides Tolima and Quindío in areas with bamboo shrubs and secondary forest in low strata.

Grallaricula cucullata (Sclater, 1856)

Distribution: Libano

Notes: (v; au; co CZUTOR 0560; ph)

Grallaricula nana (Lafrenaye, 1842)

Distribution: Anzoátegui, Falan, Ibagué, Murillo

Notes: (v; au; co SIB; ph ML78998841, ML97311561)

Acropternis orthonix (Lafresnaye, 1843)

Distribution: Anzoátegui, Cajamarca, Ibagué, Roncesvalles

Notes: (v; au XC96366; co SIB 126283)

Myornis senilis (Lafresnaye, 1940)

Distribution: Anzoátegui, Cajamarca, Fresno, Ibagué, Murillo, Planadas

Notes: (v; au XC96508, ML 96567561; co SIB 126726)

Scytalopus opacus Zimmer, 1941

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; ph ML115352241)

Scytalopus atratus Hellmayr, 1922

Distribution: Ibagué, Roncesvalles, Cajamarca, Fresno, Libano, Murillo, Herveo, Santa Isabel

Notes: (v; au XC424490; co)

Scytalopus latrans Hellmayr, 1924

Distribution: Falan, Ibagué, Cajamarca, Roncesvalles, Anzoategui, Libano, Murillo, Casabianca, Herveo

Notes: (au XC424624; co SIB 126324)

Scytalopus rodriguezi Krabbe et al., 2005

Distribution: Planadas

Notes: (au ML 156858411)

Scytalopus spillmani Stresemann, 1937

Distribution: Anzoátegui, Cajamarca, Ibagué

Notes: (au XC424619; co SIB 126327)

Chamaeza turdina Cabanis & Heine, 1859

Distribution: Dolores, Villarrica

Notes: (v)

Chamaeza mollissima Sclater, 1855

Distribution: Ibagué, Roncesvalles

Notes: (au; ca)

Sclerurus obscurior (Hartert, 1901)

Distribution: Villahermosa

Notes: (v; ph ML 158144061)

Sittasomus griseicapillus (Vieillot, 1818)

Distribution: Falan, Libano

Notes: (v)

Dendrocincla tyrannina (Lafrenaye, 1851)

Distribution: Anzoátegui, Cajamarca, Ibagué, Libano, Murillo, San Antonio, Villarrica

Notes: (v; au; co CZUTOR 0527; ph)

Dendrocincla fuliginosa (Vieillot, 1818)

Distribution: Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Prado, San Antonio

Notes: (v; ca; co MPUJ 764, CZUTOR 0263; ph ML26003081)

Glyphorynchus spirurus (Vieillot, 1819)

Distribution: Villahermosa

Notes: (v; au)

Dendrocolaptes picumnus Linchtenstein, 1820

Distribution: Anzoátegui, Falan, Ibagué, Libano, Murillo

Notes: (v; co CZUTOR 0521; ph)

Xiphocolaptes promeropirhynchus (Lesson, 1840)

Distribution: Anzoátegui, Ibagué, Libano, Murillo, Planadas, Villarrica

Notes: (v; ca; co CZUTOR 0584; ph ML104274931)

Xiphorhynchus susurrans (Jardine, 1847)

Distribution: Espinal, Falan, Ibagué, Honda, Lerida, Purificación

Notes: (au XC424400, ML82108, CZUT OR0386; co MLS 341)

Xiphorhynchus triangularis (Lafresnaye, 1842)

Distribution: Cajamarca, Cunday, Ibagué

Notes: (v; co MLS 3353)

Dendroplex picus (Gmelin, 1788)

Distribution: Armero-Guayabal, Ambalema, Carmen de Apicala, Cunday, Espinal, Honda, Ibagué, Falan, Mariquita, Melgar, Prado, Purificación, Saldaña, Venadillo, Villarrica

Notes: (v; au-XC420237; co MLS 3289, CZUTOR 664; ph ML104428621)

Campylorhamphus trochilirostris (Lichtenstein, 1820)

Distribution: Armero-Guayabal, Cunday, Espinal, Falan, Guamo, Honda, Ibagué, Icononzo, Lerida, Mariquita, Natagaima, Rio Blanco

Notes: (v; au XC424480; co MLS 3375, CZUTOR 0778; ph ML123826951)

Campylorhamphus pusillus (Sclater, 1860)

Distribution: Falan, Ibagué

Notes: (ca, au XC16569; ph)

Lepidocolaptes souleyetii (DesMurs, 1849)

Distribution: Chaparral, Falan, Honda, Ibagué, San Antonio, San Luis

Notes: (v; ca; au-XC420378; co MLS 3369, CZUTOR; ph ML105911441)

Lepidocolaptes lacrymiger (Des Murs, 1849)

Distribution: Anzoátegui, Cunday, Honda, Ibagué, LIbagué, Murillo, Planadas, Prado, San Antonio, Santa Isabel, Villarrica

Notes: (v; co CZUTOR 0654; ph ML123925381)

Xenops mexicanus (Sclater, 1857)

Distribution: Casabianca, Chaparral, Falan, Ibagué, Icononzo, San Antonio

Notes: (v; ca; co CUMV 6984; ph ML102226081)

Xenops rutilans (Teminck 1821)

Distribution: Anzoátegui, Falan, Ibagué, Libano, Murillo, San Antonio, Santa Isabel

Notes: (v; ca; co CZUTOR 0149; ph ML99043111)

Pseudocolaptes boissonneautii (Lafresnaye, 1840)

Distribution: Anzoátegui, Cajamarca, Falan, Ibagué, Murillo, Santa Isabel, Villarrica

Notes: (v; ca; co ISB 126315; ph ML22276301)

Premnornis guttuliger (Sclater, 1864)

Distribution: Cunday, Ibagué, Libano, Murillo

Notes: (v; co CZUTOR 0582)

Lochmias nematura (Lichtenstein, 1823)

Distribution: Cajamarca, Ibagué, Planadas, Rio Blanco

Notes: (v; co MHN-ICN 26880, CZUTOR 516; ph)

Cinclodes excelsior Sclater, 1860

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Santa Isabel

Notes: (v; co; ph ML58185941)

Cinclodes albidiventris Sclater, 1860

Distribution: Herveo, Ibagué

Notes: (v)

Anabacerthia striaticollis Lafresnaye, 1841

Distribution: Anzoátegui, Casabianca, Cunday, Falan, Ibagué, Libano, Planadas, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; ca; co CZUTOR 0054; ph ML99052401)

Syndactyla subalaris (Sclater, 1859)

Distribution: Falan, Ibagué, Roncesvalles

Notes: (v; co CZUT OR0994)

Dendroma rufa (Vieillot, 1818)

Distribution: Villahermosa

Notes: (v; au)

Clibanornis *rubiginosus* (Sclater, 1857)

Distribution: Ibagué, Libano

Notes: (v; au XC376596, ML61689491). New report - this bird is difficult to observe, but recognisable by its song. It was observed in a tangled area over 900 m a.s.l. in the Convention (Líbano) on 11 June 2017 (record from eBird). In the Municipality of Ibagué, it was registered for the first time by O. Humberto on 15 November 2008 in the north-western hills. We recorded the song of an individual in this municipality in the Gaia Nature Reserve in April 2017 (XC404392).

Thripadectes flammulatus (Eyto, 1849)

Distribution: Ibagué, Rio Blanco

Notes: (v; au ML78998871)

Thripadectes holostictus (Sclater & Salvin, 1876)

Distribution: Ibagué

Notes: (v; au; co CZUTOR 084)

Thripadectes virgaticeps Lawrence, 1874

Distribution: Falan, Ibagué, Libano

Notes: (v; ca; ph ML76072981)

Automolus ochrolaemus (Tschudi, 1844)

Distribution: Falan, Honda, Ibagué, Libano, Icononzo, Rio Blanco, Venadillo

Notes: (v; au XC24100; ca co CZUT 0590; ph ML109878071)

Premnoplex brunnescens (Sclater, 1856)

Distribution: Chaparral, Falan, Ibagué, Planadas, Santa Isabel

Notes: (v; ca; co CZUTOR 437; ph ML234221281)

Margarornis squamiger (d'Orbigny & Lafrenayi, 1838)

Distribution: Anzoátegui, Natagaima, Cajamarca, Cunday, Falan, Ibagué, Icononzo, Murillo, Prado, Santa Isabel, Villarrica

Notes: (v; ca; co AMHN 132229, CZUTOR 506; ph ML51937281)

Leptasthenura *andicola* Sclater, 1870

Distribution: Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; co; ph ML32219251)

Hellmayrea gularis (Lafresnaye, 1843)

Distribution: Anzoátegui, Cajamarca, Ibagué, Roncesvalles, Santa Isabel

Notes: (v; co SIB 126813, MHN-ICN 26223)

Asthenes flammulata (Jardine, 1850)

Distribution: Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; co SIB 6743; ph ML115351491)

Asthenes fuliginosa (Lafresnaye, 1843)

Distribution: Anzoátegui, Ibagué, Murillo, Villahermosa

Notes: (co MHN-ICN 5916; ca; ph ML107110871)

Siptornis striaticollis (Lafresnaye, 1843)

Distribution: Ibagué, San Antonio

Notes: (v; ph ML 174982751)

Cranioleuca curtata (Sclater, 1870)

Distribution: Villahermosa, Icononzo

Notes: (v; au ML 156435591, ph ML 221890931)

Certhiaxis cinnamomeus (Gmelin, 1788)

Distribution: Armero-Guayabal, Falan, Guamo, Ibagué, Prado

Notes: (v; au; co CZUTOR 0816; ph ML123879031)

Synallaxis brachyura Lafresnaye, 1843

Distribution: Armero-Guayabal, Ataco, Casabianca, Cunday, Falan, Honda, Ibagué, Icononzo, Libano, Mariquita, Planadas, Rio Blanco, San Antonio, Venadillo, Villarrica

Notes: (v; au XC420556; co MLS 3469, CZUTOR 735; ph ML72671011)

Synallaxis albescens Temminck, 1823

Distribution: Armero-Guayabal, Ambalema, Casabianca, Chaparral, Cunday, Dolores, Falan, Ibagué, Icononzo, Lerida, Planadas, Prado, Rio Blanco, San Luis, Villarrica

Notes: (v; au XC376475; ca; co CZUTOR 0348; ph ML26003001)

Synallaxis azarae d'Orbigny, 1835

Distribution: Anzoátegui, Casabianca, Cajamarca, Cunday, Ibagué, Falan, Honda, Libano, Murillo, Planadas, Prado, San Antonio Santa Isabel, Villarricallahermosa, Villarrica

Notes: (v; au XC423758; ca; co WFVZ 20731; ph ML115221491)

Synallaxis unirufa Lafresnaye, 1843

Distribution: Anzoátegui, Cajamarca, Ibagué

Notes: (v; au ML97307601; ca; co SIB 126382)

Synallaxis cinnamomea Lafresnaye, 1843

Distribution: Icononzo, Prado

Notes: (co)

Chloropipo flavicapilla (Sclater, 1852)

Distribution: Chaparral, Cunday, Falan, Ibagué, Icononzo, Libano, Planadas, Santa Isabel

Notes: (v; ca; co CZUTOR 0568; ph) E NT

Chiroxiphia lanceolata (Wagler, 1830)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Ibagué, Espinal, San Luis, Venadillo

Notes: (v; au; ca; co CZUTOR 0825; ph)

Masius chrysopterus (Lafresnaye, 1843)

Distribution: Cunday, Dolores, Ibagué, Falan, Melgar, San Antonio, Villarrica

Notes: (v; ca; co CZUTOR 416, MLS 4230)

Corapipo leucorrhoa (Sclater, 1863)

Distribution: Falan, Honda, Libano, Mariquita, Rio Blanco

Notes: (v; ca; co CZUTOR 930, MPUJ 758)

Lepidothrix coronata (Spix, 1825)

Distribution: Falan

Notes: (v)

Manacus manacus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ambalema, Carmen de Apicala, Cunday, Dolores, Espinal, Honda, Ibagué, Icononzo, Guamo, Falan, Lerida, Mariquita, San Luis, Ortega, Planadas, Prado, Purificación, Rio Blanco, San Antonio, Venadillo, Villarrica

Notes: (v; au XC386465; ca; co MLS 425, CZUTOR 30; ph ML99188661)

Macheropterus striolatus (von Pelzeln, 1856)

Distribution: Espinal, Falan, Honda, Libano

Notes: (v; co AMHN 94973; ph L105060731)

Pseudopipra pipra (Linnaeus, 1758)

Distribution: Falan, Libano, Rio Blanco

Notes: (au ML970632411; co CZUT557; ph ML123832711). We initially observed and collected (CZUT–Or 557) an individual in Quebradon (Rio Blanco) in May 2018 (Molina-Martínez et al. 2015). Additionally, this species was registered in Líbano and Falan in 2017 by J. Sanabria and recently registered in Planadas at a height of about 1300 m a.s.l. in well-conserved forest vocalising in middle strata (Fig. 10c).

Ceratopipra erythrocephala (Linnaeus, 1758)

Distribution: Honda, Ibagué, Falan, Mariquita

Notes: (v; ca; co AMHN 94968; au ML81684; ph ML123832151) This manakin was registered in humid areas of the north of the Department: in Falan in July 2006 and in Mariquita at low and medium strata.

Pipreola *riefferii* (Boissoneau, 1840)

Distribution: Anzoátegui, Cajamarca, Falan, Ibagué, Honda, Murillo, San Antonio, Santa Isabel

Notes: (v; ca; co CZUTOR 0083; ph ML99050311)

Pipreola arcuata (Lafresnaye, 1843)

Distribution: Anzoátegui, Ibagué

Notes: (v; co SIB A6778; ph ML115212811)

Pipreola aureopectus (Lafresnay, 1843)

Distribution: Planadas

Notes: (au ML97063491; ph ML97066671). New record - this species was registered in Tolima on 22 April 2018 in the Municipality of Planadas by H. Arias, R. Parra, K. Certuche and M. Olaya in mature forest (Fig. 10b). This record corresponds to the first record made in the Upper Magdalena Valley.

Doliornis remseni Robbins, Rosenberg & Molina, 1994

Distribution: Rio Blanco, Planadas, Roncesvalles, Cajamarca

Notes: (v) In areas of páramo vegetation in Tolima

Ampelion rubrocristatus (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Ibagué, Lerida, Libano, Murillo, Santa Isabel

Notes: (v; co MHN-ICN 27018, CZUTOR 0069; ph ML114073411)

Ampelion rufaxilla (Tschudi, 1844)

Distribution: Murillo, Rio Blanco, Roncesvalles

Notes: (v) Several photographic records on the border with the Department of Huila in the PNN nevado del Huila.

Rupicola peruviana (Latham, 1790)

Distribution: Ataco, Coyaima, Espinal, Ibagué, Falan, Planadas, Rio Blanco, San Antonio, Villarrica

Notes: (v; au; co CZUTOR 1444; ph ML98753151)

Pyroderus scutatus (Shaw, 1792)

Distribution: Roncesvalles, Villarrica

Notes: (MNHNP CG1928.1067) In addition to a few records in Tolima, an individual was deposited in the Museum National d'Histoire Naturelle Paris (CG1928.1067). Two observations were made in a primary forest in Galilea, Villahermosa: the first observation was on 25 Jan 2019 with a photographic record (pers. commun., L. Arevalo) and another record was made on 4 May 2019 in primary forest (Fig. 13a).

Figure 13.

Noteworthy bird species recorded in Tolima Department, Colombia.

a: *Pyroderus scutatus* (photograph of. L. Arevalo); doi

b: *Lonchura malacca*, an exotic species; doi

c: *Lonchura atricapilla*, an exotic species (photograph of D. Rivera). doi

Lipaugus fuscocinereus (Lafresnaye, 1843)

Distribution: Cajamarca, Ibagué, Villarrica

Notes: (v; au; co ANSP 154658; ph ML22278721)

Tityra inquisitor (Lichtenstein, 1823)

Distribution: Armero-Guayabal, Coyaima, Espinal, Guamo, Falan, Ibagué, Honda, Libano, Mariquita, Ortega

Notes: (v; co MHN-ICN 9065, CZUT OR1500; ph ML99193431)

Tityra semifasciata (Spix, 1825)

Distribution: Armero-Guayabal, Coyaima, Espinal, Falan, Planadas, San Luis, Roncesvalles, Rovira

Notes: (v; co MLS 4112)

Pachyramphus versicolor (Hartlaub, 1843)

Distribution: Cajamarca, Falan, Ibagué, Planadas

Notes: (v; co AMHN 112414; ph ML97743731)

Pachyramphus rufus (Boddaert, 1783)

Distribution: Coyaima, Honda, Falan, Ibagué, Gualanday, Libano, Melgar, Purificación, San Antonio, San Luis

Notes: (ca; co MLS 4053; ph ML123899261)

Pachyramphus cinnamomeus Lawrence, 1861

Distribution: Armero-Guayabal, Falan, Honda, Ibagué, Mariquita, Venadillo

Notes: (v; co AMHN 94936, CZUTOR 865)

Pachyramphus polychopterus (Vieillot, 1818)

Distribution: Chaparral, Coyaima, Honda, Ibagué, Fresno, San Antonio

Notes: (v, co AMHN 71743; ph ML123914521)

Platyrinchus mystaceus Vieillot, 1818

Distribution: Ibagué, Icononzo, Rio Blanco

Notes: (ca; co CZUT 558; ph)

Pseudotriccus ruficeps (Lafresnaye, 1843)

Distribution: Cajamarca, Ibagué, Roncesvalles, Santa Isabel

Notes: (ca; co CZUTOR 1250)

Pogonotriccus ophthalmicus (Taczanowsky, 1874)

Distribution: Falan, Ibagué, Herveo, Murillo, San Antonio

Notes: (v; ca; co AMHN 112285; ph ML123897501)

Pogonotriccus poecilotis (Sclater, 1862)

Distribution: Falan, Ibagué, Libano, Planadas, San Antonio, Villarrica

Notes: (v; ca; co AMHN 112242)

Phylloscartes superciliaris (Sclater & Salvi, 1868)

Distribution: Villahermosa

Notes: (v)

Mionectes striaticollis (Orbingy & Lafresnaye, 1837)

Distribution: Anzoátegui, Herveo, Falan, Ibagué, Libano, Planadas, Prado, Roncesvalles, Santa Isabel, Villarricallahermosa, Villarrica

Notes: (v; ca; co CZUTOR 040; ph ML79638951)

Mionectes olivaceus Lawrence, 1868

Distribution: Armero-Guayabal, Dolores, Falan, Honda, Icononzo, Mariquita, Libano, Venadillo

Notes: (v; ca; co CZUTOR 0414)

Mionectes oleagineus (Lichtenstein, 1823)

Distribution: Armero-Guayabal, Alvarado, Chaparral, Falan, Guamo, Honda, Ibagué, Icononzo, Lerida, Prado, San Antonio, Venadillo, Villarrica

Notes: (v; ca; co MPUJ 855, CZUTOR 258; ph ML123920351)

Leptopogon amaurocephalus Tschudi, 1846

Distribution: Armero-Guayabal, Chaparral, Cunday, Espinal, Falan, Ibagué, Mariquita, Prado, Venadillo, Villarrica

Notes: (v; ca; co; MLS 5003, CZUTOR 0319; ph)

Leptopogon superciliaris Tschudi, 1844

Distribution: Armero-Guayabal, Honda, Ibagué, Libano, Mariquita, Venadillo, Villarrica

Notes: (v; au; co CZUTOR 1006; ph ML123905261)

Leptopogon rufipectus (Lafresnaye, 1846)

Distribution: Falan, Ibagué, Rio Blanco

Notes: (ca; co CZUTOR 0765; ph ML78849961) CE

Tolmomyias sulphurescens (Spix, 1825)

Distribution: Armero-Guayabal, Chaparral, Carmen de Apicala, Falan, Gualanday, Guamo, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Saldaña, San Luis, Venadillo

Notes: (v; au XC335916ca; co MLS 4658 CZUTOR 417; ph)

Lophotriccus pileatus (Tschudi, 1844)

Distribution: Anzoátegui, Ibagué, Herveo, Fresno, Icononzo, Libano, Murillo, San Antonio, Villarrica

Notes: (v; au XC421235; ca; co MLS 4732, CZUTOR 882; ph ML23232981)

Atalotriccus pilaris (Cabanis, 1847)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Chaparral, Coello, Cunday, Coyaima, Doima, Espinal, Falan, Honda, Ibagué, Gualanday, Lerida, Mariquita, Melgar, Natagaima, Prado, Purificación, San Antonio, San luis, Villarrica

Notes: (v; ca; co MLS 4734, CZUTOR 294; ph ML65473221)

Hemitriccus margaritaceiventer (d'Orbigny & Lafresnaye, 1837)

Distribution: Armero-Guayabal, Alvarado, Chaparral, Coello, Coyaima, Doima, Falan, Ibagué, Honda, Lerida, Mariquita, Melgar, Natagaima, Purificación, Venadillo

Notes: (v; co CZUT OR1359; ph ML75626401)

Hemitriccus granadensis (Hartlaub, 1843)

Distribution: Cajamarca, Herveo, Ibagué, Falan, Libano, Murillo

Notes: (v; co ANSP 153871)

Poecilotriccus ruficeps (Kaup, 1852)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Murillo, Planadas, Santa Isabel, San Antonio

Notes: (v; co AMHN 112218; ph ML115221431)

Poecilotriccus sylvia (Desmarest, 1806)

Distribution: Ambalema, Alvarado, Armero-Guayabal, Ambalema, Chaparral, Coyaima, Falan, Ibagué, Honda, Falan, Guamo, Lerida, Mariquita, Melgar, Purificación, San Luis, Suarez, Valle de San Juan, Venadillo, Villarrica

Notes: (v; co MLS 8288, CZUTOR 727; ph)

Todirostrum cinereum (Linnaeus, 1766)

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Ataco, Casabianca, Chaparral, Coyaima, Cunday, Dloes, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Libano, Natagaima, Mariquita, Melgar, Ortega, Palocabildo, Planadas, Prado, Rio Blanco, Roncesvalles, Rovira, San Antonio, San Luis, Saldaña, Valle de Sa Juan, Venadillo, Villarrica

Notes: (v; au XC424491; ca; co MLS 4715, CZUTOR 350; ph ML72671281)

Todirostrum nigriceps (Sclater, 1855)

Distribution: Armero-Guayabal, Purificación, Falan, Honda, Mariquita, Melgar

Notes: (v; ph)

Myiotriccus ornatus (Lafresnaye, 1853)

Distribution: Anzoategui, Honda, Villarrica

Notes: (v; co; ph ML 156434011)

Nephelomyias pulcher (Sclater, 1861)

Distribution: Ibagué, Libano

Notes: (v, ph ML 79689091)

Hirundinea ferruginea (Gmelin, 1788)

Distribution: Chaparral, Ibagué, Icononzo, Melgar, Natagaima

Notes: (v; co SIB A348; ph). New record - there are a few recent records of this species in Tolima. On 19 March 2015, Y. Tolosa and companions registered it in the canyon of the Combeima River (Ibagué). It was also registered in Chaparral (Vega Chiquita) by M. Moreno on 1 December 2013 and in Toche (Ibagué) by P. Kaestner and F. Espinosa in October 2018.

Pyrrhomyias cinnamomeus (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au XC428187; co SIB 126321; ph ML115221451)

Zimmerius chrysops (Sclater, 1859)

Distribution: Anzoátegui, Casabianca, Cunday, Dolores, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Murillo, Palocabildo, Planadas, Prado, Rio Blanco, San Antonio, Villahermosa, Villarrica

Notes: (v; au XC157385; ca; co MPUJ 751, 908; ph ML123928791)

Euscarthmus meloryphus Wied-Neuwied, 1831

Distribution: Ambalema, Alvarado, Armero-Guayabal, Cajamarca, Chaparral, Carmen de Apicala, Coello, Doima, Ibagué, Falan, Honda, Mariquita, Natagaima, San Luis, Venadillo

Notes: (v; ca; co CZUTOR 0389; ph)

Elaenia flavogaster (Thunberg, 1822)

Distribution: Alvarado, Anzoategui, Ambalema, Armero-Guayabal, Ataco, Cajamarca, Casabianca, Carmen de Apicala, Chaparral, Chicoral, Coello, Coyaima, Cunday, Doima, Dolores, Espinal, Guamo, Honda, Ibagué, Icononzo, Falan, Fresno, Lerida, Libano, Mariquita, Planadas, Prado, Rio Blanco, San Luis, Venadillo, Villarrica

Notes: (v; au XC424613; ca; co MLS 4916, CZUTOR 337; ph ML123883711) WD

Elaenia parvirostris Pelzeln, 1868

Distribution: Cunday, Falan, Ibagué, Icononzo, Prado, Rovira, San Luis, Venadillo, Villarrica

Notes: (v; ph ML 123919531) M

Elaenia chiriquensis Lawrence, 1865

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Doima, Dolores, Honda, Ibagué, Icononzo, Falan, Fresno, Libano, Mariquita, Prado, Rovira, Valle de San Juan

Notes: (v; ca; co CZUTOR 0252; ph ML98988291)

Elaenia frantzii Lawrence, 1865

Distribution: Anzoátegui, Cajamarca, Casabianca, Dolores, Falan, Ibagué, Icononzo, Herveo, Libano, Melgar, Murillo, Palocabildo, Planadas, Prado, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au-XC424585; co CZUTOR 0039; ph ML97745681)

Elaenia pallantagae Sclater, 1862

Distribution: Alvarado, Ibagué, Honda, Rovira, Planadas

Notes: (v; ca; co CZUTOR 0136; ph ML123919531)

Tyrannulus elatus (Latham, 1790)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Ambalema, Carmen de Apicala, Chaparral, Cunday, Doima, Falan, Fresno, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Prado, Rio Blanco, Rovira, San Luis, Valle de San Juan, Saldaña, Venadillo

Notes: (v; au XC424041; co MLS 4984, MHN-ICN 8628; ph ML123883491)

Myiopagis gaimardii (d'Orbigny, 1840)

Distribution: Alvarado, Armero-Guayabal, Chaparral, Coyaima, Doima, Libano, Mariquita, Melgar, Planadas, Venadillo

Notes: (co MLS 8004)

Myiopagis viridicata (Vieillot, 1817)

Distribution: Armero-Guayabal, Chaparral, Carmen de Apicala, Coyaima, Cunday, Espinal, Falan, Fresno, Honda, Ibagué, Icononzo, Honda, Libano, Mariquita, Melgar

Notes: (v; ca; co MLS 4964, CZUTOR 368; ph ML123886491)

Capsiempis flaveola (Lichtenstein, 1823)

Distribution: Armero-Guayabal, Alvarado, Ataco, Carmen de Apicala, Chaparral, Doima, Icononzo, Gualanday, Espinal, Falan, Herrera, Honda, Mariquita, Melgar, San Luis, Venadillo

Notes: (v; au XC365770; ca; co MLS 5027, CZUT OR1426)

Mecocerculus poecilocercus (Sclater & Salvin, 1873)

Distribution: Anzoategui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles

Notes: (au ML25990061; co CZUTOR 0742; ph)

Mecocerculus stictopterus (Sclater, 1859)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Saldaña, Santa Isabel, Vilahermosa

Notes: (v; co SIB 6702; ph ML99049501)

Mecocerculus leucophrys (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; au XC96385; co CZUTOR 1265; ph ML32219331)

Mecocerculus minor (Taczanowsky, 1879)

Distribution: Anzoátegui, Cajamarca, Chaparral, Ibagué, Libano, Murillo

Notes: (v; co CZUTOR 0233; ph ML96881941)

Phyllomyias griseiceps (Sclater & Salvin, 1871)

Distribution: Armero-Guayabal, Cajamarca, Casabianca, Cunday, Doima, Falan, Fresno, Honda, Ibagué, Lerida, Mariquita, Melgar, Palocabildo, Planadas, Prado, Rio Blanco, Venadillo

Notes: (v; au XC424614; co AMHN 132239; ph ML123883071)

Phyllomyias plumbeiceps (Lawrence, 1869)

Distribution: Ibagué, Falan, Villarrica, Planadas

Notes: (v; au)

Acrochordopus zeledoni (Lawrence, 1869)

Distribution: Ibagué, Honda

Notes: (au ML58939131 ph ML58939041) This unusual species in the Department was observed for the first time on 21 May 2017 in Charcorrico (Parra-Hernández and Arias-Moreno 2019).

Tyranniscus cinereiceps (Sclater, 1860)

Distribution: Cajamarca, Herveo, Ibagué, Libano, Roncesvalles

Notes: (v; co CZUTOR 0041)

Tyranniscus nigrocapillus (Lafresnaye, 1845)

Distribution: Cajamarca, Cunday, Falan, Herveo, Ibagué, Libano, Melgar, Murillo, Planadas, Prado, Roncesvalles, Villarrica

Notes: (v; co CZUTOR 0595; ph ML 22279311)

Tyranniscus uropygialis (Lawrence, 1869)

Distribution: Herveo, Ibagué, Melgar, Planadas, Roncesvalles

Notes: (v; co SIB, MHN- ICN 26179)

Camptostoma obsoletum (Temminck, 1824)

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Ambalema, Carmen de Apicala, Chaparral, Cunday, Doima, Espinal, Falan, Fresno, Ibagué, Lerida, Planadas, San Luis, Venadillo, Villarrica

Notes: (v; au XC335017; ca; co MPUJ 505, CZUTOR 0197; ph ML123884401)

Nesotriccus murinus (Spix, 1825)

Distribution: Ambalema, Armero-Guayabal, Alvarado, Carmen de Apicala, Chaparral, Chicoral, Coyaima, Doima, Espinal, Falan, Fresno, Honda, Guamo, Ibagué, Icononzo, Guamo, Lerida, Libano, Mariquita, Melgar, Natagaima, Planadas, Prado, San Luis, Venadillo, Villarrica

Notes: (v; au XC420171; ca; co MLS 5026, CZUT OR1483; ph ML105911651)

Pseudocolopteryx acutipennis (Sclater & salvin, 1873)

Distribution: Ibagué, Roncesvalles

Notes: (v; co CZUTOR 1084; ph ML70968771)

Serpophaga cinerea (Tschudi, 1844)

Distribution: Casabianca, Chaparral, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, San Antonio, Venadillo, Villarrica, Villahermosa

Notes: (v; au XC423025; co; ph ML123893531)

Uromyias agilis (Sclater, 1856)

Distribution: Cajamarca, Chaparral, Herveo, Ibagué, Roncesvalles

Notes: (v; au ML97304141; co MHN-ICN 5754, CZUT OR1270) CE

Legatus leucophaius (Viellot, 1818)

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Ambalema, Ataco, Chaparral, Cunday, Doima, Espinal, Falan, Fresno, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Natagaima, Prado, Rovira, Santa Isabel, Venadillo, Villarrica, San Antonio

Notes: (v; au XC424493; ca; co MLS 447; ph ML24062881)

Pitangus sulphuratus (Linnaeus, 1766)

Distribution: Alvarado, Armero-Guayabal, Anzoategui, Ambalema, Ataco, Cajamarca, Casabianca, Carmen de Apicala, Chaparral, Coello, Coyaima, Cunday, Dolores, Espinal, Guamo, Falan, Fresno, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Natagaima, Mariquita, Melgar, Murillo, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, Saldaña, San Luis, Santa Isabel, Suarez, Venadillo, Villahermosa, Villarrica, San Antonio

Notes: (v; au XC424597; ca; co MLS 454, CZUTOR 447; ph ML123874091) WD

Philohydor lictor (Lichtenstein, 1823)

Distribution: Armero-Guayabal, Alvarado, Doima, Espinal, Guamo, Ibagué, Mariquita, Piedras, Prado, San Luis, Venadillo

Notes: (v; au; ph ML123874341). New record - this flycatcher is observed in riparian forest and adjacent semi-open areas, lagoon complexes and streams below 1000 m a.s.l. in different areas of the Department (Fig. 10a).

Machetornis rixosa (Vieillot, 1819)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Alvarado, Coyaima, Coello, Doima, Espial, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Lerida, Murillo, Palocabildo, Planadas, Prado, San Luis, Suarez, Valle de San Juan, Venadillo, Villahermosa, Villarrica

Notes: (v; co CZUTOR 0789; ph ML ML123874571)

Megarhynchus pitangua (Linnaeus, 1766)

Distribution: Ambalema, Alvarado, Armero-Guayabal, Ataco, Chicoral, Cunday, Doima, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Planadas, Purificación, Rio Blanco, Rovira, San Antonio, San Luis, Suarez, Valle de San Juan, Venadillo

Notes: (v; au XC424865; ca; co MLS 8147, CZUTOR 33; ph ML123872011)

Myiodynastes hemichrysus (Cabanis, 1861)

Distribution: Cajamarca, Casabianca, Chaparral, Falan, Herveo, Ibagué, Libano, Prado, Planadas, Roncesvalles, Santa Isabel, Villahermosa

Notes: (v; au; co ANSP 153606; ph ML123878341)

Myiodynastes luteiventris Sclater, 1859

Distribution: Alvarado, Anzoátegui, Armero-Guayabal, Chaparral, Falan, Fresno, Honda, Ibagué, Libano, Mariquita, Planadas,Venadillo

Notes: (v; co AMHN 112316) M

Myiodynastes maculatus (Statius Muller, 1776)

Distribution: Alvarado, Ambalema, Anzoategui, Armero-Guayabal, Ataco, Chaparral, Chicoral, Coyaima, Doima, Espinal, Guamo, Herveo, Honda, Ibagué, Falan, Fresno,

Lerida, Libano, Mariquita, Melgar, Planadas, Prado, Rio Blanco, Saldaña, San Luis, San Antonio, San Luis, Santa Isabel, Suarez, Venadillo, Villarica

Notes: (v; au XC424489; ca; co MLS 4427; ph ML123878031) M

Myiozetetes cayanensis (Linnaeus, 1766)

Distribution: Alvarado, Armero-Guayabal, Ambalema, Casabianca, Carmen de Apicala, Coyaima, Cunday, Dolores, Espinal, Guamo, Falan, Fresno, Honda, Ibagué, Libano, Mariquita, Melgar, Palocabildo, Prado, Planadas, Venadillo, Villarrica, San Antonio

Notes: (v; au XC439770; co MLS 4451, CZUTOR 290; ph ML123873881)

Myiozetetes similis (Spix, 1825)

Distribution: Armero-Guayabal, Alvarado, Casabianca, Chaparral, Coyaima, Cunday, Doima, Dolores, Espinal, Falan, Guamo, Gualanday, Honda, Ibagué, Lerida, Natagaima, Mariquita, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Luis, Venadillo, Villarrica

Notes: (v; au; co MLS 4479, CZUTOR 272; ph ML72671421) WD

Myiozetetes granadensis Lawrence, 1862

Distribution: Coyaima

Notes: (co AMHN 71870)

Conopias cinchoneti (Tschudi, 1844)

Distribution: Chaparral, Ibagué, Planadas, Rio Blanco

Notes: (v) an individual Photographed by J. Sanabría in Juntas (Ibagué) on 27 Aug 2016 ML 343821781.

Empidonomus varius (Vieillot, 1818)

Distribution: Armero-Guayabal. Ibagué, Lerida, San Luis

Notes: (v) M

Tyrannus melancholicus Vieillot, 1819

Distribution: Armero-Guayabal, Anzoátegui, Ambalema, Ataco, Casabianca, Chaparral, Carmen de Apicala, Chicoral, Coyaima, Cunday, Doima, Espinal, Ibagué,

Icononzo, Guamo, Herveo, Honda, Falan, Lerida, Libano, Mariquita, Melgar, Murillo, Planadas, Purificación, Rio Blanco, San Antonio, Santa Isabel, San Luis, Venadillo, Villarrica, Villahermosa

Notes: (v; au XC423704; ca co CZUTOR 0648; ph ML72671521)

Tyrannus savana Vieillot, 1808

Distribution: Ambalema, Armero-Guayabal, Alvarado, Ataco, Cajamarca, Carmen de Apicala, Chaparal, Chicoral, Coyaima, Cunday, Doima, Dolores, Espinal, Herveo, Ibagué, Falan, Fresno, Guamo, Honda, Lerida, Libano, Natagaima, Mariquita, Melgar, Murillo, Planadas, Prado, Purificación, Rio Blanco, Roncesvalles, San Luis, Valle de San Juan, Villahermosa, Villarrica

Notes: (v; co MLS 4361; ph ML111646811) M

Tyrannus tyrannus (Linnaeus, 1758)

Distribution: ALvarado, Ambalema, Armero-Guayabal, Casabianca, Chaparral, Carmen de Apicala, Coello, Doima, Dolores, Espinal, Ibagué, Falan, Fresno, Herveo, Honda, Lerida, Libano, Mariquita, Palocabildo, Planadas, Prado, Saldaña, Suarez, Valle de an Juan, Venadillo

Notes: (v; co MHN-ICN 5735, MLS 1765; ph ML42732701) M

Tyrannus dominicensis (Gmelin, 1788)

Distribution: Alvarado, Espinal, Falan, Ibagué, Honda, Saldaña

Notes: (v; co AMHN 94960) M

Myiarchus tuberculifer (d'Orbigny & Lafresnaye, 1837)

Distribution: Alvarado, Armero-Guayabal, Cunday, Fresno, Honda, Ibagué, Libano, Mariquita, Prado, Santa Isable, Venadillo, Villarrica

Notes: (v; au XC424030; co CZUTOR 333 ca; ph ML79639071)

Myiarchus panamensis Lawrence, 1860

Distribution: Alvarado, Armero-Guayabal, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Espinal, Guamo, Falan, Fresno, Honda, Ibagué, Libano, Mariquita, Melgar, San Luis, Saldaña, Venadillo

Notes: (ca; co MLS 4533, CZUT OR1236; ph ML123876001)

Myiarchus apicalis Sclater & Salvi, 1881

Distribution: Armero-Guayabal, Ataco, Chaparral, Coyaima, Cunday, Doima, Dolores, Espinal, Guamo, Gualanday, Falan, Honda, Ibagué, Libano, Mariquita, Melgar, Planadas, Prado, Rio Blanco, Rovira, San Luis, Venadillo

Notes: (v; au; ca; co MLS 4561, CZUTOR 182; ph ML123880191) E. This flycatcher is usually seen at heights up to 1400 m a.s.l. in open areas and areas with shrubs and occasionally in areas with crops. It has been observed throughout the lower areas of Tolima (Fig. 9f).

Myiarchus cephalotes Taczanowski, 1880

Distribution: Casabianca, Cajamarca, Chaparral, Herveo, Ibagué, Icononzo,Falan, Lerida, Libano, Murillo, Palocabildo, Santa Isabel, Roncesvalles

Notes: (v; au XC423691; ca; co CZUTOR 0846; ph ML120521251)

Myiarchus crinitus (Linnaeus, 1758)

Distribution: Alvarado, Armero- Guayabal, Chaparral, Falan, Fresno, Ibagué, Lerida, Libano, Prado, San Luis, Venadillo, Villarrica

Notes: (v; au ML86923331; co DNHM 56699; ph ML24063581)

Myiarchus tyrannulus (Statius Muller, 1776)

Distribution: Armero-Guayabal, Espinal, Falan, Ibagué, Honda,Melgar, Prado, Venadillo

Notes: (v; co MLS 7787)

Colonia colonus (Vieillot, 1818)

Distribution: Ambalema, Armero-Guayabal, Carmen de Apicala, Chaparral, Cunday, Falan, Fresno, Honda, Mariquita, Melgar, Prado, Venadillo

Notes: (v; co MHN-ICN 4430; ph ML123923421)

Myiophobus flavicans (Sclater, 1861)

Distribution: Cajamarca, Chaparral, Cunday, Ibagué, Falan, Libano, Murillo, Planadas, Rio Blanco, Roncesvalles, San Antonio, Villarrica

Notes: (v; ca; co CZUTOR 0309; ph)

Myiophobus fasciatus (Statius Muller, 1776)

Distribution: Alvarado, Armero-Guayabal, Casabianca, Chaparral, Doima, Falan, Honda, Ibagué, Icononzo, Libano, Planadas, Prado, Rio Blanco, Villarrica, Villahermosa, Villarrica

Notes: (v; au ML82121; co CZUTOR 0392; ph ML105235981)

Silvicultrix frontalis (Lafresnaye, 1847)

Distribution: Cajamarca, Ibagué, Murillo, Santa Isabel

Notes: (v; ca; co SIB 126763; ph)

Silvicultrix diadema (Hartlaub, 1843)

Distribution: Cajamarca, Herveo, Ibagué, Murillo, Santa Isabel, Villarrica

Notes: (v; ph ML115221471)

Ochthoeca cinnamomeiventris (Lafresnaye, 1843)

Distribution: Anzoátegui, Cajamarca, Chaparral, Herveo, Ibagué, Falan, Libano, Murillo, Planadas, Santa Isabel, Roncesvalles, Villahermosa, Villarrica

Notes: (v; au; co CZUTOR 189; ph ML123893141)

Ochthoeca rufipectoralis (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Fresno, Herveo, Ibagué, Murillo, Roncesvalles

Notes: (v; co ISB 126290; ph ML114075331)

Ochthoeca fumicolor Sclater, 1856

Distribution: Anzoátegui, Cajamarca, Chaparral, Herveo, Ibagué, Murillo, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; ca; co CZUTOR 0291; ph ML115212671)

Pyrocephalus rubinus (Boddaert, 1783)

Distribution: Alvarado, Armero-Guayabal, Ambalema, Ataco, Carmen de Apicala, Casabianca, Chaparral, Chicoral, Coyaima, Cunday, Doima, Espinal, Guamo, Honda, Ibagué, Icononzo, Falan, Flandes, Fresno, Lerida, Libano, Mariquita, Melgar,

Murillo, Planadas, Purificación, Rovira, Saldaña, San Anotonio, San Luis, Santa Isabel, Suarez, Valle de San Juan, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC425867 co MLS 4338; ph ML123877541) WD

Fluvicola pica (Boddaert, 1783)

Distribution: Ambalema, Armero-Guayabal, Ataco, Coello, Coyaima, Doima, Espinal, Guamo, Falan, Flandes, Honda, Ibagué, Natagaima, Mariquita, Melgar, Libano, Prado, Purificación, Roncesvalles, Saldaña, San Luis, Venadillo, Villarrica

Notes: (v; ca; co MLS 4318, CZUTOR 759; ph ML123874881)

Arundinicola leucocephala (Linnaeus, 1764)

Distribution: Ambalema, Alvarado, Armero-Guayabal, Ataco, Coyaima, Doima, Lerida, Melgar, Natagaima, Honda, Ibagué, Prado, Purificación, Saldaña

Notes: (v; co MHN-ICN 7038, CZUTOR 815; ph ML123881071)

Knipolegus poecilurus (Sclater, 1862)

Distribution: Casabianca, Ibagué, Libano, Roncesvalles, Villarrica

Notes: (v ca co CSJ 133781ph)

Muscisaxicola alpinus (Jardine, 1849)

Distribution: Anzoátegui, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel, Villahermosa

Notes: (co MHN-ICN 4506, 20450; ph ML78852391)

Myiotheretes striaticollis (Sclater, 1853)

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; au ML28978891; co ANSP 153601; ph ML115212851)

Myiotheretes fumigatus (Boissoneau, 1840)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; co SIB 126778, CZUTOR 700; ph)

Cnemotriccus fuscatus (Wied-Neuwied, 1831)

Distribution: Armero-Guayabal, Carmen de Apicala, Chaparral, Espinal, Falan, Fresno, Ibagué, Libano, Mariquita, Palocabildo, Planadas, San Luis, Venadillo

Notes: (v; ca; co MLS 4624, CZUTOR 483; ph ML123884681)

Sayornis nigricans (Swainson, 1827)

Distribution: Alvarado, Armero-Guayabal, Cajamarca, Chaparral, Cunday, Doima, Espinal, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Lerida, Libano, Natagaima, Mariquita, Melgar, Murillo, Planadas, Prado, Purificación, Rio Blanco, Roncesvalles, San Luis, Saldaña, Venadillo, Villarrica,

Notes: (v; co MLS 8003, CZUTOR 303; ph ML123879601)

Empidonax virescens (Vieillot, 1818)

Distribution: Chaparral, Doima, Falan, Ibagué, Lerida, Piedras, Planadas, San Luis, Villarrica

Notes: (v; co CZUTOR 0818) M

Empidonax traillii (Audubon, 1828)

Distribution: Alvarado, Carmen de Apicala, Doima, Falan, Fresno, Honda, Ibagué, Libano, Mariquita

Notes: (v; co MHN-ICN 26167; ph) M

Empidonax alnorum Brewster, 1895

Distribution: Carmen de Apicala, Espinal, Ibagué, Honda, Libano, Villarrica

Notes: (ca; co MHN-ICN 4423) M

Contopus cooperi (Nutall, 1831)

Distribution: Cajamarca, Honda, Ibagué, Falan, Fresno, Libano, Planadas, San Antonio, San Luis, Villarrica

Notes: (v; ph ML99189971) NT M

Contopus fumigatus (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Casabianca, Cunday, Falan, Ibagué, Herveo, Libano, Murillo, Santa Isabel, Villahermosa, Villarrica, Planadas

Notes: (v; au XC335997; co CZUTOR 0645; ph ML43403191)

Contopus sordidulus Sclater, 1859

Distribution: Armero- Guyabal, Ibagué, Melgar, Murillo, San Luis, Venadillo, Villarrica

Notes: (v; ca; co MHN-ICN 4425) NT M

Contopus virens (Linnaeus, 1766)

Distribution: Armero-Guayabal, Chaparral, Espinal, Falan, Fresno, Honda, Ibagué, Libano, Mariquita, Murillo, Planadas, Rio Blanco, Villahermosa

Notes: (v; au XC364398; ca; co MHN-ICN 4427, CZUTOR 0702) M

Contopus cinereus (Spix, 1825)

Distribution: Alvarado, Armero-Guayabal, Ataco, Chaparral, Doima, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Planadas, Venadillo, Villahermosa

Notes: (v; ca; co MHN-ICN 31684)

Cyclarhis gujanensis (Gmelin, 1789)

Distribution: Armero-Guayabal, Cajamarca, Casabianca, Carmen de Apicala, Chaparral, Cunday, Dolores, Espinal, Falan, Fresno, Herveo, Venadilloo, Honda, Icononzo, Ibagué, Mariquita, Melgar, Natagaima, Planadas, Prado, Purificación, Saldaña, San Luis, Santa Isabel, Suarez, Venadillo, Villarrica

Notes: (v; au XC424453; co MLS 7964, CZUTOR 897; ph ML123928241)

Cyclarhis nigrirostris Lafresnaye, 1842

Distribution: Anzoátegui, Falan, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, Villahermosa

Notes: (v; au XC421237; ML96502071; ca co CZUTOR 0057; ph)

Hylophilus flavipes Lafresnaye, 1845

Distribution: Anzoategui, Ambalema, Alvarado, Armero-Guayabal, Doima, Carmen de Apicala, Chicoral, Coyaima, Chaparral, Dolores, Espinal, Falan, Fresno, Gualanday, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Natagaima, Planadas, Prado, Purificación, Saldaña, Santa Isabel, Rio Blanco, San Luis, Venadillo, Villarrica

Notes: (au XC424394; ca; co MLS 5795, CZUTOR; ph ML123831561)

Vireolanius eximius Baird, 1866

Distribution: Casabianca, Falan, Mariquita, Palocabildo

Notes: (v; au)

Pachysylvia decurtata (Bonaparte, 1838)

Distribution: Ibagué, Mariquita, Melgar, Falan

Notes: (v; co WFVZ SS-42967)

Pachysylvia semibrunnea Lafresnaye, 1845

Distribution: Ataco, Chaparral, Cunday, Falan, Fresno, Herveo, Ibagué, Icononzo, Libano, Mariquita, Planadas, Rio Blanco, San Luis, Santa Isabel, Villahermosa

Notes: (v; au-XC424034; co CZUTOR 282; ca; ph)

Vireo flavifrons Vieillot, 1808

Distribution: Fresno, Ibagué, Libano, Mariquita, San Luis

Notes: (v; co) M

Vireo philadelphicus (Cassin, 1851)

Distribution: Ibagué, Falan, San Luis

Notes: (v; ca; co; ph) M

Vireo leucophrys (Lafresnaye, 1844)

Distribution: Cajamarca, Chaparral, Cunday, Falan, Herveo, Ibagué, Melgar, Villahermosa

Notes: (v; au XC424496; ca; co CZUTOR 055; ph ML79639131)

Vireo olivaceus (Linnaeus, 1766)

Distribution: Armero- Guayabal, Chaparral, Doima, Espinal, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Casabianca, Chaparral, Lerida, Mariquita, Melgar, Piedras, Planadas, San Luis

Notes: (v; ca; co MPUJ 740, CZUTOR 611; ph ML117807641) M

Vireo flavoviridis (Cassi, 1851)

Distribution: Alvarado, Armero-Guayabal, Chaparral, Coyaima, Doima, Falan, Fresno, Ibagué, Lérida, Libano, Mariquita, Melgar, San Luis, Valle de San Juan, Venadillo

Notes: (v; co MHN-ICN 5437; ph ML123890351) M. There are a few records for this species in the Upper Magdalena Valley. We captured an individual on 6 September 2015 in the Municipality of San Luis (record from eBird). It is regularly observed in Falan between October and January.

Vireo altiloquus (Vieillot, 1808)

Distribution: Falan, Prado

Notes: (v) M

Cyanolyca armillata (Gray, 1845)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa

Notes: (v; au; co SIB A6826; ph ML78850691)

Cyanocorax affinis Pelzeln, 1856

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Ataco, Carmen Apicala, Chaparral, Coyaima, Cunday, Doima, Espinal, Gualanday, Falan, Fresno, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Natagaima, Prado, Purificación, San Luis, Suarez, Venadillo, Villarrica

Notes: (v; au XC424495; co MLS 5222; ph ML123879711)

Cyanocorax yncas (Boddaert, 1783)

Distribution: Anzoátegui, Ataco, Cajamarca, Falan, Icononzo, Herveo, Ibagué, Libano, Murillo, Planadas, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel, Villarrica

Notes: (v; au XC421112; co ANSP 154818; ph ML115213281)

Pygochelidon cyanoleuca (Vieillot, 1817)

Distribution: Alpujarra, Ambalema, Anzoátegui, Armero-Guayabal, Ataco, Carmen de Apicala, Chaparral, Cunday, Dolores, Falan, Fresno, Herveo, Ibagué, Icononzo, Lerida, Libano, Mariquita, Murillo, Natagaima, San Luis, Planadas, Prado, Rio Blanco, San Antonio, Santa Isabel, Saldaña, Villarrica, Villahermosa

Notes: (v; co ISB 126317, CZUTOR 385; ph ML123830491) WD

Oreochelidon murina (Cassin, 1853)

Distribution: Anzoátegui, Cajamarca, Casabianca, Cunday, Herrera, Herveo, Ibagué, Libano, Murillo, Planadas, Prado, San Antonio, Roncesvalles, Villarrica

Notes: (v; ca; co SIB 126292, CZUTOR 002; ph ML123830221)

Oreochelidon flavipes (Chapman, 1922)

Distribution: Cajamarca, Ibagué, Murillo

Notes: (v; co ANSP 154234)

Atticora tibialis (Cassin, 1853)

Distribution: Casabianca, Herveo, Ibagué, Libano, Falan, Fresno

Notes: (v; ph ML123829391)

Stelgidopteryx ruficollis (Vieillot, 1817)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Ataco, Cajamarca, Casabianca, Chaparral, Cunday, Doima, Espinal, Herveo, Honda, Ibagué, Icononzo, Guamo, Falan, Fresno,, Lerida, Libano, Mariquita, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Valle de San Juan, Suarez, Venadillo, Villahermosa, Villarrica

Notes: (v; ca; co CZUTOR 008; ph ML123827941) WD

Progne tapera (linnaeus, 1766)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Chaparral, Espinal, Honda, Ibagué, Libano, Mariquita, Melgar, Natagaima, Prado, Purificación, San Luis, Valle de San Juan, Venadillo, Villarrica

Notes: (v; ph ML 197917961) M

Progne subis (Linnaeus, 1758)

Distribution: Ambalema, Ibagué

Notes: (ph ML718291)

Progne chalybea (Gmelin, 1789)

Distribution: Ambalema, Alvarado, Armero-Guayabal, Chaparral, Doima, Espinal, Guamo, Honda, Ibagué, Falan, Fresno, Lerida, Mariquita, Melgar, Natagaima, Ortega, Prado, Rovira, Saldaña, San Luis, Venadillo

Notes: (v; CZUT OR1452; ph ML123827721) M

Tachycineta albiventer (Boddaert, 1783)

Distribution: Ambalema, Armero-Guayabal, Cajamarca, Chaparral, Doima, Coyaima, Cunday, Guamo, Ibagué, Honda, Libano, Mariquita, Natagaima, Planadas, Prado, Purificación, Saldaña, San Luis, Venadillo

Notes: (co; ph ML104428641 v)

Riparia riparia (Linnaeus, 1758)

Distribution: Alvarado, Falan, Guamo, Ibagué, Lerida, San Luis, Villarrica

Notes: (v; co; ph) M

Hirundo rustica (Linnaeus, 1758)

Distribution: Armero-Guayabal, Alvarado, Cajamarca, Doima, Falan, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Honda, Prado, Purificación, Saldaña, Villarrica

Notes: (v; co; ph ML123827241) M

Petrochelidon pyrrhonota (Vieillot, 1817)

Distribution: Armero-Guayabal, Doima, Ibagué, Libano, Mariquita, San Luis

Notes: (v) M

Microcerculus marginatus (Sclater, 1855)

Distribution: Casabianca, Cunday, Dolores, Icononzo, Falan, Fresno, Libano, Mariquita, Melgar, Prado, Venadillo, Villarrica

Notes: (v; au; ca; co CZUTOR 0356; ph ML123824371)

Troglodytes musculus Vieillot, 1809

Distribution: Alvarado, Armero-Guayabal, Anzoategui, Ambalema, Cajamarca, Casabianca, Chaparral, Chicoral, Carmen de Apicala, Coyaima, Doima, Dolores, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Murillo, Ortega, Planadas, Prado, Rio Blanco, Roncesvalles, Rovira, San Antonio, San Luis, Saldaña, Valle de San Juan, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC424026; co MLS 5449, CZUTOR 331; ph ML123824591) WD

Troglodytes solstitialis Sclater, 1859

Distribution: Anzoátegui, Cajamarca, Chaparral, Ibagué, Murillo, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; au ML28984741; co SIB 126390; ph ML114073211)

Cistothorus platensis (Latham, 1790)

Distribution: Anzoátegui, Casabianca, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; au-XC96379; co CZUTOR 1268; ph ML123901131)

Campylorhynchus zonatus (Lesson, 1832)

Distribution: Armero-Guayabal, Casabianca, Falan, Fresno, Honda, Libano, Santa Isabel

Notes: (v; ph ML99192301) This is a moderately common bird in the north of Tolima (Falan, Líbano and Fresno) that has been recorded in open areas, bushes and near houses, frequently vocalising (Fig. 10e).

Campylorhynchus griseus (Swainson, 1838)

Distribution: Alvarado, Ambalema, Armero- Guayabal, Coyaima, Doima, Dolores, Falan, Honda, Ibagué, Guamo, Libano, Planadas, Prado, Purificación, San Luis, Suarez, Villarrica

Notes: (v; au; co MHN-ICN 11931; ph ML123873491)

Pheugopedius spadix Bangs, 1910

Distribution: Ibagué, Falan, Fresno, Libano

Notes: (au ML119598531)

Pheugopedius fasciatoventris (Lafresnaye, 1845)

Distribution: Ambalema, Alpujarra, Alvarado, Armero-Guayabal, Casabianca, Chaparral, Chicoral, Cunday, Doima, Dolores, Espinal, Guamo, Gualanday, Falan, Fresno, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Ortega, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Antonio, San Luis, Saldaña, Venadillo, Villarrica

Notes: (v; au XC424398; ca; co MLS 5365, CZUTOR 269; ph ML123888071)

Pheugopedius mystacalis (Sclater, 1860)

Distribution: Anzoátegui, Casabianca, Cajamarca, Chaparral, Espinal, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Palocabildo, Planadas, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; au XC424587, ML58032291; co 511; MLS 8314 ph)

Pheugopedius sclateri (Taczanowski, 1879)

Distribution: Cajamarca, Casabianca, Ibagué, Icononzo, Libano, Prado, Villarrica

Notes: (v; au; co AMHN 154524, CZUT OR1005; ph ML107748361)

Cantorchilus nigrocapillus (Sclater, 1860)

Distribution: Casabianca, Ibagué, Falan, Fresno, Mariquita, Santa Isabel

Notes: (au; ph ML72672001) New record - this uncommon species of the Department is mainly observed and identified by its song. It is distributed from the north of the Department to the Municipality of Ibagué and seen at heights of about 800 to 1300 m a.s.l. (Fig. 10d).

Cantorchilus leucotis (Lafresnaye, 1845)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Chaparral, Carmen de Apicala, Chicoral, Cunday, Doima, Espinal, Lerida, Libano, Gualanday, Guamo,

Falan, Fresno, Honda, Ibagué, Lerida, Mariquita, Melgar, Prado, San Luis, Rovira, Venadillo, Villarrica

Notes: (v; au XC424616; ca; co MLS 5316, CZUTOR 0332; ph)

Cinnycerthia unirufa (Lafresnaye, 1840)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Libano, Murillo, Santa Isabel, Roncesvalles, Villahermosa

Notes: (v; au ML103814321; co CZUTOR 1249)

Cinnycerthia olivascens Sharpe, 1882

Distribution: Cajamarca, Ibagué, Murillo

Notes: (v; au; co MHN-ICN 37880, CZUTOR 192; ph ML23813041)

Henicorhina leucosticta (Cabanis, 1847)

Distribution: Armero-Guayabal, Ambalema, Alvarado, Doima, Ibagué, Libano, Mariquita, Honda, San Luis, Rio Blanco, San Antonio, Venadillo

Notes: (v; au; ca; co CZUTOR 0973; ph)

Henicorhina leucophrys (Tschudi, 1844)

Distribution: Anzoátegui, Casabianca, Cajamarca, Chaparral, Dolores, Falan, Herveo, Honda, Ibagué, Icononzo, Libano, Murillo, Palocabildo, Planadas, Roncesvalles, San Antonio, San Luis, Villarrica, Villahermosa, Villarrica

Notes: (v; au XC424623, ML98610431; ca co CZUTOR 0186; ph ML115221401)

Cyphorhinus thoracicus Tschudi, 1844

Distribution: Cajamarca, Casabianca, Falan, Ibagué, Icononzo, Santa Isabel

Notes: (v; au ML94669671; co AMHN 112564)

Ramphocaenus melanurus Vieillot, 1819

Distribution: Armero-Guayabal, Espinal, Falan, Fresno, Libano, Mariquita, Melgar, Venadillo, Villarrica

Notes: (v; au ML81658; co CZUTOR 1232; ph ML105060121)

Polioptila plumbea (Gmelin, 1788)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Alvarado, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Doima, Espinal, Guamo, Gualanday, Honda, Ibagué, Falan, Lerida, Libano, Mariquita, Melgar, Planadas, Prado, Purificación, Saldaña, San Luis, Venadillo

Notes: (v; au-XC96416; ca; co MLS 5730; ph ML123888531)

Donacobius atricapilla (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ambalema, Doima, Espinal, Fresno, Honda, Ibagué, Prado, Mariquita, Purificación, Venadillo

Notes: (v; co AMHN 122541; ph ML109227211)

Cinclus leucocephalus Tschudi, 1844

Distribution: Anzoátegui, Cajamarca, Chaparral, Fresno, Herrera, Herveo, Ibagué, Libano, Planadas, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; au; co CZUTOR 1421; ph ML79639151)

Myadestes ralloides (d'Orbigny, 1840)

Distribution: Anzoátegui, Cajamarca, Casabianca, Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, Prado, Roncesvalles, San Antonio, Santa Isabel, Vllahermosa, Villarrica

Notes: (v; au XC421234, ML98601161; ca; co CZUTOR 080; ph)

Catharus aurantiirostris (Hartlaub, 1850)

Distribution: Cajamarca, Casabianca, Fresno, Ibagué, Icononzo, Libano, San Antonio

Notes: (v; au XC423639; ca; ph ML96501551)

Catharus fuscater (Lafresnaye, 1845)

Distribution: Cajamarca, Falan, Fresno, Ibagué, Libano, Santa Isabel

Notes: (v; ca; co CZUTOR 0468)

Catharus fuscescens (Stephens, 1817)

Distribution: Ibagué

Notes: (v; co) M

Catharus minimus (Lafresnaye, 1848)

Distribution: Anzoategui, Falan, Ibagué, Planadas

Notes: (v; ca; ph ML82022581) M

Catharus ustulatus (Nuttall, 1840)

Distribution: Anzoátegui, Alvarado, Armero-Guayabal, Ataco, Casabianca, Chaparral, Cajamarca, Carmen de Apicala, Coyaima, Cunday, Dolores, Falan, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Venadillo, Villarrica

Notes: (v; au XC376479; co CZUT OR 0314; ph ML72672881) M WD

Turdus leucops (Taczanowski, 1877)

Distribution: Herrera, Ibagué, Libano

Notes: (v; ca; co CZUT-Or 523; ph)

Turdus leucomelas Vieillot, 1818

Distribution: Armero-Guayabal, Alvarado, Cajamarca, Chaparral, Chicoral, Cunday, Guamo, Espinal, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Planadas, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au XC424618; ca; co MLS 5585, CZUTOR 231; ph ML123824851)

Turdus ignobilis Sclater, 1858

Distribution: Armero-Guayabal, Alvarado, Anzoátegui, Ataco, Cajamarca, Casabianca, Carmen de Apicala, Chaparral, Coyaima, Cunday, Doima, Dolores, Herveo, Honda, Ibagué, Icononzo, Falan, Fresno, Lerida, Libano, Natagaima, Mariquita, Melgar, Natagaima, Ortega, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Antonio, San Luis, Saldaña, Valle de San Juan, Suarez, Venadillo, Villarrica

Notes: (v; au XC420238, ML82139; ca co MLS 7988, CZUTOR 67; ph ML72672871)

Turdus fuscater d'Orbigny & Lafresnaye, 1837

Distribution: Anzoátegui, Casabianca, Cajamarca, Chaparral, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villarrica, Villahermosa

Notes: (v; au; ca; co SIB 126400, CZUTOR 95; ph ML58185661)

Turdus serranus Tschudi, 1844

Distribution: Anzoátegui, Cajamarca, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; co MLS 559, CZUTOR 43; ph)

Mimus gilvus (Vieillot, 1808)

Distribution: Ambalema, Ataco, Casabianca, Carmen de Apicala, Cajamarca, Chaparral, Cunday, Coyaima, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Murillo, Palocabildo, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Saldaña, Suárez, Venadillo, Villarrica

Notes: (v; au; co MLS 556, MHN-ICN 11186; ph ML72672141)

Lonchura malacca (Linnaeus, 1766)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Chaparral, Coello, Doima, Espinal, Guamo, Falan, Fresno, Ibagué, Ortega, Purificación, San Luis

Notes: (v; au; CZUTOR 0457; ph ML63999191) INT. El Salado, Ibagué, Tolima coordinates 4°27'22"N; 75°8'4"W. Date 22 Feb 2007, at 950 m a.s.l. Collector: R. Parra y Moreno (ICN 36229). This species was registered for the first time in Tolima in May 2004 and has expanded its distribution throughout the Department, especially in dry forest (below 1000 m a.s.l.), covering the lower area of the Department from Natagaima to the south to the Municipality of Guayabal to the north. It is usually observed as groups of up to hundreds of individuals flying over areas of rice crops and rarely areas of fruit trees, above 1400 m a.s.l. (Fig. 13b).

Lonchura atricapilla (Vieillot, 1807)

Distribution: Ibagué

Notes: (ph ML63695581) INT. Apparently non-established population. New record - this species was registered for the first time in February 2015 in the Municipality of Ibagué in the lagoon of the airport. In 2013, it was photographed in the Lagoon of

Llanitos del Combeima and again on 20 November 2019 in the Jardín Botánico San Jorge, towards the dry forest (below 1300 m a.s.l.) (Fig. 13c).

Spinus spinescens (Bonaparte, 1850)

Distribution: Anzoátegui, Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; co ISB 126380; ph ML32219391)

Spinus magellanicus (Vieillot, 1805)

Distribution: Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Villarrica

Notes: (v; co SIB A6786)

Spinus xanthogastrus (Du Bus, 1855)

Distribution: Anzoategui, Casabianca, Herrera, Herveo, Fresno, Ibagué, Palocabildo, Libano, Murillo, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; au XC421110; ph ML72672421)

Spinus psaltria (Say, 1822)

Distribution: Alpujarra, Alvarado, Ambalema, Anzoategui, Armero-Guayabal, Ataco, Casabianca, Chaparral, Carmen de Apicala, Chaparral, Coyaima, Cunday, Doima, Espinal, Falan, Flandes, Fresno, Guamo, Gualanday, Honda, Ibagué, Lerida, Libano, Mariquita, Palocabildo, Planadas, Purificación, Rio Blanco, Roncesvalles, San Antonio, San Luis, Suárez, Venadillo, Villarrica

Notes: (v; au; ca; co MLS 7449, CZUTOR 316; ph ML123872231)

Chlorophonia cyanocephala (Vieillot, 1819)

Distribution: Alpujarra, Anzoátegui, Cajamarca, Casabianca, Chaparral, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Villahermosa

Notes: (v; au; ca; co MHN-ICN 8592; ph ML82939221)

Chlorophonia cyanea (Tunberg, 1822)

Distribution: Anzoategui, Cajamarca, Herveo, Falan, Ibagué, Libano, San Antonio, Villahermosa

Notes: (v; ca; co ANSP 154475; ph ML98663231)

Chlorophonia pyrrhophrys (Scalter, 1851)

Distribution: Ibagué, Libano, Santa Isabel

Notes: (v; au-XC424643; co ANSP154477)

Euphonia concinna Sclater, 1855

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Ataco, Carmen de Apicala, Coyaima, Cunday, Doima, Espinal, Falan, Flandes, Fresno, Guamo, Honda, Ibagué, Lérida, Mariquita, Melgar, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Prado, Purificación, Suárez, Venadillo, Villarrica

Notes: (v; au-XC424397; ca; co MLS 6517¸ CZUTOR 190; ph ML111645851) E. This endemic species is found in the lower areas of the Department below 1400 m a.s.l. It has been observed since 2003 in forest relics and in areas with scattered trees, especially in tropical dry forest (Fig. 12d).

Euphonia laniirostris d'Orbigny y Lafresnaye, 1837

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Ambalema, Ataco, Carmen de Apicala, Cajamarca, Casabianca, Carmen de Apicala, Chaparral, Chicoral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Lerida, Natagaima, Mariquita, Melgar, Murillo, Ortega, Palocabildo, Planadas, Prado, Rio Blanco, Roncesvalles, San Antonio, San Luis, Suárez, Saldaña, Río Blanco, Venadillo, Villahermosa, Villarrica

Notes: (v; au ML81691; ca co MLS 8281, CZUTOR 13 ph ML123871861 WD

Euphonia fulvicrissa Sclater, 1857

Distribution: Castilla (Purificación). Ibagué, One reg. in Armero

Notes: (co FMNH 36058)

Euphonia xanthogaster Sundevall, 1834

Distribution: Casabianca, Chaparral, Herveo, Ibagué, Falan, Fresno, Guamo, Herveo, Libano, Melgar, Planadas, San Antonio, Villahermosa, Villarrica

Notes: (v; au; ca; co CZUTOR 713, MLS 2795)

Rhodinocichla rosea (Lesson, 1832)

Distribution: Alpujarra, Anzoategui, Casabianca, Chaparral, Ibagué, Icononzo, Falan, Fresno, Libano, Melgar, Palocabildo, Planadas, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au ML90030241; ca; co CZUTOR 0901; ph ML115255921)

Chlorospingus flavigularis (Sclater, 1852)

Distribution: Ibagué, San Antonio

Notes: (v)

Chlorospingus parvirostris Chapman, 1901

Distribution: Chaparral, Rio Blanco

Notes: (co CZUTOR 0976)

Chlorospingus canigularis (Lafresnaye, 1848)

Distribution: Ambalema, Cajamarca, Falan, Ibagué, Libano, Santa Isabel

Notes: (v)

Chlorospingus flavopectus (Lafresnaye, 1840)

Distribution: Casabianca, Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; ca; co CZUT 0077; ph ML123911991)

Ammodramus humeralis (Bosc, 1792)

Distribution: Armero-Guayabal, Alvarado, Chaparral, Chicoral, Coello, Doima, Espinal, Falan, Honda, Ibagué, Mariquita, Melgar, San Antonio, San Luis, Venadillo

Notes: (v; au ML97062071; ca co AMHN 112760; ph ML58318971)

Arremonops conirostris (Bonaparte, 1850)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Ataco, Carmen de Apicala, Chaparral, Chicoral, Carmen de Apicala, Cunday, Doima, Dolores, Espinal, Gualanday, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Ortega, Palocabildo, Rio Blanco, Suárez, Venadillo, Villarrica

Notes: (v; au XC424612; CZUTOR co 0755; ph ML123885151)

Arremon atricapillus (Lawrence, 1874)

Distribution: Venadillo, Ibagué, Fresno, Libano, Murillo

Notes: (v; au ML58324001; ph ML123812121)

Arremon assimilis (Boissonneau, 1840)

Distribution: Anzoátegui, Casabianca, Cunday, Herveo, Honda, Ibagué, Libano, Planadas, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; au; ca; co SIB 179560, CZUTOR 529; ph)

Arremon aurantiirostris Lafresnaye, 1847

Distribution: Anzoategui, Alvarado, Armero-Guayabal, Casabianca, Chaparral, Cunday, Doima, Dolores, Espinal, Guamo, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Palocabildo, Purificación, Prado, Rio Blanco, Aan Antonio, San Luis, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au XC424478; ca; co MLS 7622, CZUTOR 271; ph ML123885181)

Arremon brunneinucha (Lafresnaye, 1839)

Distribution: Anzoátegui, Casabianca, Cajamarca, Ibagué, Falan, Fresno, Libano, Melgar, Murillo, Palocabildo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au ML97316171; co CZUTOR 0466; ph ML97065891)

Zonotrichia capensis (Statius Muller, 1776)

Distribution: Anzoátegui, Ataco, Casabianca, Cajamarca, Chaparral, Cunday, Dolores, Falan, Fresno, Herveo, Ibagué, Icononzo, Libano, Melgar, Murillo, Planadas, Prado, Santa Isabel, Rio Blanco, Roncesvalles, San Antonio, Villarrica, Villahermosa, Villarrica

Notes: (v; au XC424588; ca; co SIB 126285, CZUTOR 34; ph ML123902591) WD

Atlapetes albinucha (Lafresnaye & d'Orbigny, 1838)

Distribution: Anzoátegui, Casabianca, Cajamarca, Falan, Fresno, Herveo, Ibagué, Icononzo, Libano, Murillo, Planadas, Roncesvalle, San Antonio, Santa Isabel, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC376474; co CZUTOR 0562; ph ML71012331)

Atlapetes flaviceps Chapman, 1912

Distribution: Anzoátegui, Cajamarca, Casabianca, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; au XC424583; ca; co CZUTOR 053; ph ML79639381) E EN. This endemic bird is usually registered in pairs or groups of four individuals, rarely forming mixed flocks. It has been registered in Tolima from 1500 to 2450 m a.s.l. in most municipalities with mountains (Fig. 11e).

Atlapetes fuscoolivaceus Chapman, 1914

Distribution: Alpujarra, Planadas, Roncesvalles, San Antonio

Notes: (v; au ML99154431; ph ML97066601) New record - this endemic bird was registered only in the southern area of the Department, in the Municipalities of Alpujarra (pers. commun., J. Sanabria in 2016) and Planadas. It was recently photographed in the latter region on 22 April 2018 (Fig. 11f).

Atlapetes schistaceus (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Chaparral, Dolores, Falan, Herveo, Ibagué, Icononzo, Murillo, Planadas, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; au; co SIB 126540, CZUTOR 494; ph ML115212561)

Atlapetes pallidinucha (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Dolores, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel, Villahermosa

Notes: (v; co SIB 126694, CZUTOR 743; ph ML87226421)

Atlapetes latinuchus (Du Bus, 1855)

Distribution: Ibagué, Murillo

Notes: (v)

Sturnella magna (Linnaeus, 1758)

Distribution: Anzoátegui, Casabianca, Herveo, Murillo, Santa Isabel, Villahermosa, Villarrica

Notes: (v, au; ph ML83539091) This bird is commonly observed in the high areas of northern Tolima at elevations above 1800 m and up to 3700 m a.s.l. It has been observed in the Municipalities of Anzoátegui, Santa Isabel, Líbano, Herveo and Murillo where it is commonly seen vocalising on fences in deforested areas, such as pastures and open areas. It was registered for the first time in the Department by Quevedo and Lopéz (2002).

Leistes militaris (Linnaeus, 1771)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Carmen de Apicala, Chaparral, Cunday, Espinal, Falan, Honda, Ibagué, Lerida, Mariquita, Melgar, Natagaima, Planadas, Prado, Saldaña, Suárez, Valle de San Juan, Villarrica

Notes: (v; au; co MLS 8730, MHN-ICN 8214; ph ML111645961)

Amblycercus holosericeus (Deppe, 1830)

Distribution: Cajamarca, Ibagué, Herveo

Notes: (v; co ANSP 154725)

Psarocolius angustifrons (Spix, 1824)

Distribution: Ataco, Ibagué, Honda, Planadas, San Antonio, Villarrica

Notes: (v; au; co MHN-ICN 10558; ph-ML97064061)

Psarocolius wagleri (Gray, 1845)

Distribution: Ataco, Rio Blanco, Saldaña

Notes: (v)

Psarocolius decumanus (Pallas, 1769)

Distribution: a, Ataco, Carmen de Apicala, Cunday, Honda, Ibagué, Libano, Melgar, Planadas, Prado, Rio Blanco, San Antonio, Suárez, Villarrica

Notes: (v; au XC424590; co ph ML123882261)

Cacicus uropygialis Lafresnaye, 1843

Distribution: Dolores, Ibague, Planadas, Roncesvalles, San Antonio

Notes: (v; au ML99154311)

Cacicus cela (Linnaeus, 1758)

Distribution: Espinal, Ibagué, Prado, San Antonio, Villarrica, Villahermosa

Notes: (v; co MLS 3115; ph) EL

Cacicus chrysonotus (Bonaparte, 1838)

Distribution: Cajamarca, Herveo, Ibagué, Libano, Murillo, Prado, Roncesvalles, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au ML28985441; AMHN 113190; ph ML78850951 v)

Icterus icterus (Linnaeus, 1766)

Distribution: Ibagué, Fresno

Notes: (v; ph ML20580021) M. New record - this species was introduced to the Department through the release of individuals in the San Jorge Botanical Garden. Some recent photographic records were made by H. Arias (Oyuela et al. 2016). However, the establishment of the species remains unknown.

Icterus mesomelas (Wagler, 1829)

Distribution: Armero-Guayabal, Carmen de Apicala, Chaparral, Falan, Libano, Prado, Purificación, San Antonio, San Luis

Notes: (v; ph) A photographic record at the border with caldas in Manzanares (ML 98958131).

Icterus auricapillus Cassin, 1848

Distribution: Alpujarra, Alvarado, Ataco, Carmen de Apicala, Chaparral, Cunday, Doima, Espinal, Falan, Fresno, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Planadas, Prado, San Antonio, San Luis, Santa Isabel, Rio Blanco, Venadillo

Notes: (v; au; ca; co CZUTOR 0243 ph)

Icterus chrysater (Lesson, 1844)

Distribution: Armero-Guayabal, Anzoátegui, Ataco, Cajamarca, Casabianca, Chaparral, Cunday, Dolores, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Prado, Rio Blanco, Roncesvalles, San Antonio, Santa isabel, Villarrica

Notes: (v; au; ca; co CZUTOR 0646)

Icterus galbula (Linnaeus, 1758)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Cajamarca, Doima, Falan, Fresno, Ibagué, Libano, Palocabildo, Piedras, San Antonio, Santa Isabel

Notes: (v; ph ML 123872681, ML 183462121) M

Icterus nigrogularis (Hahn, 1819)

Distribution: Armero-Guayabal, Alvarado, Ambalema, Casabianca, Coyaima, Doima, Espinal, Falan, Fresno, Hinda, Ibagué, Mariquita, Melgar, Natagaima, Lerida, Libano, Palocabildo, Planadas, Prado, Purificación, San Luis, Saldaña, Suárez, Valle de San Juan, Venadillo

Notes: (v; au; ca; co CZUTOR 0204; ph ML104430081)

Molothrus oryzivorus (Gmelin, 1788)

Distribution: Ambalema, Cajamarca, Fresno, Honda, Ibagué, Libano, Murillo, Planadas, Piedras, Rovira, San Antonio, Santa Isabel, Suárez, Venadillo

Notes: (v; co ANSP 154724; ph ML108866981) This species has been occasionally observed between 1800 and 2000 m a.s.l. in the north-western hills and in the Juntas sector, where it is usually seen in groups of up to eight individuals moving in the middle and canopy of scattered forests and trees.

Molothrus bonariensis (Gmelin, 1789)

Distribution: Alpujarra, Alvarado, Anzoategui, Armero-Guayabal, Ataco, Casabianca, Cajamarca, Chaparral, Chicoral, Cunday, Doima, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Libano, Natagaima, Mariquita, Melgar, Murillo, Venadilloo, Ibagué, Palocabildo, Planadas, Prado, Purificación, San Luis, Aanta Isabel, Saldaña, Suárez, Venadillo

Notes: (v; co MHN-ICN 10348; ph ML107832711)

Quiscalus lugubris Swainson, 1838

Distribution: Ambalema, Armero-Guayabal, Casabianca, Chaparral, Coyaima, Doima, Ibagué, Lerida, Libano, Herveo, Honda, Espinal, Mariquita, Melgar, Guamo, Falan, Fresno, San Luis, Fresno, Murillo, Icononzo, Natagaima, Ortega, Palocabildo, Plandas, Santa Isabel, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au; ph ML123872441). New record - this species has greatly expanded its distribution throughout the Department over the last 12 years, expanding to 3000 m a.s.l. It usually colonises parks and peri-urban areas where it congregates in groups

of up to 80 individuals, forming colonies. It has sometimes been observed to displace native species (Fig. 12c).

Quiscalus mexicanus (Gmelin, 1788)

Distribution: Armero-Guayabal, Doima, Fresno, Ibagué, Guamo, Lerida

Notes: (v; au; ph ML54189111) New record - this bird was recently registered in the Department on 11 April 2017 in Espinal, perhaps due to wandering or as a form of extension of its territory (Fig. 12a).

Hypopyrrhus pyrohypogaster (Tarragon, 1847)

Distribution: Ataco, Ibagué, San Antonio

Notes: (v; co MHN-ICN 12414, ph ML 231125651) E EN

Gymnomystax mexicanus (Linnaeus, 1766)

Distribution: Ibagué, Melgar

Notes: (v) F. A group of 3 individuals seen in Girardot. Stiles registered some individuals in Melgar as a result of escapes from captivity.

Chrysomus icterocephalus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Ambalema, Alvarado, Carmen de Apicala, Coyaima, Doima, Falan, Espinal, Guamo, Honda, Ibagué, Libano, Natagaima, Mariquita, Melgar, Prado, Purificación, Saldaña, San Luis, Venadillo, Villarrica

Notes: (v; au XC386427; ca; co MLS 6393, CZUTOR 790; ph ML104430071)

Parkesia noveboracensis (Gmelin, 1789)

Distribution: Ambalema, Alvarado, Chaparral, Coello, Doima, Espinal, Fresno, Herrera, Honda, Ibagué, Mariquita, Prado, San Luis, Venadillo

Notes: (v; ca; co CZUTOR 0814; ph) M

Vermivora chrysoptera (Linnaeu, 1766)

Distribution: Cajamarca, Ibagué, Libano

Notes: (v; ca; ph) NT M

Mniotilta varia (Linnaeus, 1766)

Distribution: Anzoátegui, Cajamarca, Casabianca, Doima, Falan, Fresno, Honda, Ibagué, Libano, Mariquita, Planadas, Roncesvalles, Santa Isabel, San Luis, Villahermosa, Villarrica

Notes: (v; co CZUTOR 869 ph ML123891411) M

Protonotaria citrea (Boddaert, 1783)

Distribution: Ambalema, Armero-Guayabal, Casabianca, Doima, Falan, Honda, Ibagué, Libano, Melgar

Notes: (v; co CZUTOR 0829) M

Leiothlypis peregrina (Wilson, 1811)

Distribution: Anzoátegui, Cajamarca, Doima, Falan, Fresno, Herveo, Ibagué, Melgar, Planadas, San Antonio, San Luis, Santa Isabel

Notes: (v; ph) M

Oporornis agilis (Wilson, 1812)

Distribution: Ambalema, Armero-Guayabal, Ibagué

Notes: (v; ca; co CZUTOR 0826; ph) M

Geothlypis aequinoctialis (Gmelin, 1789)

Distribution: Ibagué, Gualanday, Natagaima, Rovira

Notes: (ca; ph) Old collection record at the border with the Department of Huila, near the Municipality of Natagaima (MVZ 120643).

Geothlypis philadelphia (Wilson, 1810)

Distribution: Anzoategui, Coello, Falan, Fresno, Ibagué, Herveo, Icononzo, Honda, Libano, Melgar, Murillo, Planadas, San Luis, Villarrica

Notes: (co MLS 7991, CZUTOR 658; ph) M

Setophaga ruticilla (Linnaeus, 1758)

Distribution: Casabianca, Doima, Espinal, Falan, Honda, Ibagué, Lerida, Libano, Mariquita, Palocabildo, Planadas

Notes: (v; ca; co AMHN 122634; ph ML105057001) M

Setophaga cerulea (Wilson, 1810)

Distribution: Anzoategui, Casabianca, Falan, Fresno, Ibagué, Honda, Libano, Mariquita, Planadas, Villahermosa

Notes: (v; ca; ph ML78622221) M VU

Setophaga pitiayumi (Vieillot, 1817)

Distribution: Alpujarra, Anzoátegui, Cajamarca, Chaparral, Falan, Fresno, Herveo, Ibagué, Libano, Planadas, Prado, San Antonio, Santa Isabel, Roncesvalles, Villahermosa, Villarrica

Notes: (v; au; co CZUTOR 0910; ph ML123402031)

Setophaga castanea (Wilson, 1810)

Distribution: Ambalema, Armero-Guayabal, Chaparral, Coello, Doima, Guamo, Falan, Honda, Ibagué, Lérida, Libano, Mariquita, San Luis, Suárez

Notes: (v; co ICN 5504; ph ML123876761) M

Setophaga fusca (Statius Muller, 1776)

Distribution: Alpujarra, Anzoátegui, Casabianca, Cajamarca, Chaparral, Cunday, Dolores, Falan, Fresno, Herveo, Herrear, Ibagué, Icononzo, Libano, Melgar, Murillo, Palocabildo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villarrica

Notes: (v; ca; co CZUT 0176; ph ML75625721) M

Setophaga petechia (Linnaeus, 1766)

Distribution: Alvarado, Alpujarra, Ambalema, Ataco, Cajamarca, Casabianca, Chicoral, Cunday, Doima, Espinal, Gualanday, Guamo, Falan, Fresno, Herveo, Honda, Ibagué, Lerida, Mariquita, Natagaima, Palocabildo, Planadas, Prado, San Antonio, San Luis, Venadillo, Villarrica

Notes: (ca; co CZUTOR 0651; ph ML120505951) M

Setophaga pensylvanica (Linnaeus, 1766)

Distribution: Armero-Guayabal, Falan, Ibagué, Mariquita

Notes: (v) M

Setophaga striata (Forster, 1772)

Distribution: Armero-guayabal, Falan, Ibagué, Libano, Melgar, San Luis, Santa Isabel

Notes: (v; ca; co MLS 8148; ph) M

Myiothlypis luteoviridis (Bonaparte, 1845)

Distribution: Armero-Guayabal, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles

Notes: (v; ca; co MLS 8148; ph ML28985161)

Myiothlypis nigrocristata (Lafresnaye, 1840)

Distribution: Cajamarca, Dolores, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; au ML97306301; co SIB 126932, CZUT OR1292; ph ML30789631)

Myiothlypis fulvicauda (Spix, 1825)

Distribution: Ambalema, Anzoategui, Alpujarra, Armero-Guayabal, Ataco, Chaparral, Carmen de Apicala, Casabianca, Coello, Coyaima, Cunday, Doima, Espinal, Guamo, Gualanday, Dolores, Espinal, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Natagaima, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Antonio, San Luis, Suárez, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au XC386649; co MLS 6191, CZUTOR 162; ph ML78852941) WD

Myiothlypis cinereicollis (Sclater, 1864)

Distribution: Icononzo

Notes: (ca; co CZUTOR 0889)

Myiothlypis coronata (Tschudi, 1844)

Distribution: Anzoátegui, Cajamarca, Casabianca, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Roncesvalles, Villahermosa, Villarrica

Notes: (v; au XC96367; ca; co SIB 6699, CZUTOR 517; ph ML118162511)

Basileuterus deltattrii (Swainson, 1838)

Distribution: Alvarado, Ambalema, Ataco, Armero-Guayabal, Cajamarca, Carmen de Apicala, Casabianca, Chaparral, Chicoral, Cunday, Doima, Dolores, Espinal, Falan, Fresno, Gualanday, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Melgar, Murillo, Ortega, Palocabildo, Planadas, Prado, Rio Blanco, Rovira, Saldaña, San Antonio, San Luis, Suárez, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC424472; ca; co MLS 6167, CZUTOR 066; ph ML123877111) WD

Basileuterus tristriatus (Tschudi, 1844)

Distribution: Cajamarca, Chaparral, Herrera, Herveo, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Rio Blanco, Roncesvalles, Villarrica

Notes: (v; au; co CZUTOR 0631; ph)

Cardellina canadensis (Linnaeus, 1766)

Distribution: Anzoategui, Alvarado, Ambalema, Armero-Guayabal, Ataco, Casabianca, Cajamarca, Chaparral, Cunday, Doima, Espinal, Falan, Fresno, Ibagué, Herrera, Herveo, Honda, Icononzo, Libano, Mariquita, Melgar, Palocabildo, Planadas, Rovira, San Antonio, Santa Isabel, San Luis, Venadillo, Villahermosa, Villarica

Notes: (v; ca; co MLS 7965, CZUTOR 754; ph ML49802591) M

Myioborus miniatus (Swainson, 1827)

Distribution: Anzoátegui, Casabianca, Cajamarca, Chaparral, Cunday, Dolores, Falan, Herveo, Ibagué, Icononzo, Libano, Murillo, Planadas, Prado, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel, Villarrica, Villahermosa, Villarrica

Notes: (v; au XC423751, ML98601881; ca; co AMHN 112678, CZUTOR 381; ph ML98938771)

Myioborus ornatus (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Chaparral, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au ML25994911; co SIB 126818, CZUTOR 698; ph ML115221341) CE

Mitrospingus cassinii (Lawrence, 1861)

Distribution: Casabianca, Falan, Fresno, Mariquita

Notes: (v; ph ML 151085161) A photographic record by H. Arias.

Piranga flava (Vieillot, 1822)

Distribution: Anzoategui, Alpujarra, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Rio Blanco, Roncesvalles, San Antonio

Notes: (v; co CZUTOR 0150; ph ML57899841)

Piranga rubra (Linnaeus, 1758)

Distribution: Alpujarrra, Ambalema, Armero-Guayabal, Anzoátegui, Ataco, Cajamarca, Carmen de Apicala, Casabianca, Chaparral, Cunday, Doima, Dolores, Falan, Guamo, Herrera, Herveo, Honda, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Palocabildo, Planadas, Prado, Rio Blanco, Rovira, Saldaña, San Antonio, San Luis, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au; ca; co MPUJ 803, CZUTOR 338; ph ML24063011) M

Piranga olivacea (Gmelin, 1789)

Distribution: Armero-Guayabal, Alvarado, Cajamarca, Espinal, Falan, Fresno, Herrera, Herveo, Ibagué, Lerida, Planadas, Prado, Rovira, San Antonio, San Luis, Santa Isabel, Venadillo, Piedras

Notes: (v; ph ML26004701) M

Piranga rubriceps Gray, 1844

Distribution: Cajamarca, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, San Luis

Notes: (v; co MHN-ICN 26877)

Piranga leucoptera Trudeau, 1840

Distribution: Falan, Ibagué, Planadas, Roncesvalles, Villarrica

Notes: (co ANSP 154568; ph ML97066551)

Driophlox gutturalis (Sclater, 1854)

Distribution: Falan, Fresno, Honda, Mariquita

Notes: (v; co MPUJ 787; au ML123804151) E NT

Driophlox cristata (Lawrence, 1875)

Distribution: Cajamarca, Chaparral, Falan, Fresno, Ibagué, Libano, Palocabildo, Planada, San Antonio, Rio Blanco

Notes: (v; au XC420538; co CZUTOR 1449; ph ML123927431) E

Pheucticus ludovicianus (Linnaeus, 1766)

Distribution: Ataco, Cajamarca, Casabianca, Chaparral, Cunday, Falan, Fresno, Herrera, Herveo, Ibagué, Libano, Mariquita, Melgar, Murillo, Palocabildo, Planadas, Santa Isabel, Roncesvalles, Villahermosa, Villarrica

Notes: (v; ca; co MHN-ICN 2831, CZUTOR 895; ph ML25603971) M

Cyanoloxia cyanoides (Lafresnaye, 1847)

Distribution: Anzoátegui, Ibagué, Falan, Fresno, Honda, Lerida, Libano, Mariquita, Prado, Rio Blanco, San Luis, Santa Isabel, Venadillo

Notes: (ca; co CZUTOR 858, AMHN 95107, ph)

Spiza americana (Gmelin, 1789)

Distribution: Alvarado, Armero-Guayabal, Doima, Espinal, Ibagué, Prado

Notes: (v; co MHN-ICN 7928; ph ML93079531) M

Sericossypha albocristata (Lafresnaye, 1843)

Distribution: Anzoátegui, Cajamarca, Falan, Herveo, Ibagué, Libano, Murillo, Roncesvalles, San Antonio

Notes: (v; au; ph ML115221181)

Catamblyrhynchus diadema Lafresnaye, 1842

Distribution: Cajamarca, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; ca; co ANSP 154329, MHN-ICN 26192; ph ML75396161)

Chlorophanes spiza (Linnaeus, 1758)

Distribution: Alvarado, Armero-Guayabal, Cajamarca, Chaparral, Doima, Ibagué, Falan, Fresno, Herveo, Honda, Libano, Mariquita, Melgar, Palocabildo, Planadas, Rio Blanco, San Antonio, Venadillo, Villarrica

Notes: (co CZUTOR 0779; ph ML98660361)

Heterospingus xanthopygius (Sclater, 1855)

Distribution: Cunday, Mariquita

Notes: (co MLS 7059)

Hemithraupis guira (Linnaeus, 1766)

Distribution: Cunday, Falan, Fresno, Ibagué, Honda, Lerida, Libano, Mariquita, Venadillo, San Antonio

Notes: (v; co MLS 783; ph ML26346071)

Hemithraupis flavicollis (Vieillot, 1818)

Distribution: Honda, Ibagué, Falan, Fresno, Lerida, Libano, Mariquita, Melgar, Prado

Notes: (v; ph ML105244441)

Conirostrum leucogenys (Lafresnaye, 1852)

Distribution: Alpujarra, Alvarado, Ambalema, Armero-Guayabal, Carmen de Apicala, Doima, Espinal, Falan, Guamo, Honda, Ibagué, Lerida, Mariquita, Natagaima, Piedras, Prado, San Luis, Venadillo

Notes: (v; co MHN-ICN 3280; ph ML123930841)

Conirostrum sitticolor Lafresnay, 1840

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; ca; co SIB 128819)

Conirostrum albifrons Lafresnaye, 1842

Distribution: Anzoátegui,Cajamarca, Herveo, Ibagué, Lerida, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; co CZUTOR 062; ph ML22275721)

Sicalis citrina Pelzeln, 1870

Distribution: Murillo

Notes: (ph ML58021011)

Sicalis flaveola (Linnaeus, 1766)

Distribution: Alvarado, Armero-Guayabal, Ambalema, Ataco, Casabianca, Cajamarca, Chaparral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Lerida, Libano, Natagaima, Mariquita, Melgar, Murillo, Planadas, Prado, Purificación, Rio Blanco, Roncesvalles, Saldaña, San Antonio, San Luis, Suárez, Venadillo, Villarricallahermosa, Villarrica

Notes: (v; au XC424729; ca; co MPUJ 502, CZUTOR 007; ph ML107735511) WD

Sicalis luteola (Sparrman, 1789)

Distribution: Alvarado. Armero-Guayabal, Doima, Espinal, Guamo, Ibagué, Mariquita, San Luis, Venadillo, Villarrica

Notes: (v; au; co MHN-ICN 13879; ph)

Geospizopsis unicolor (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Rio Blanco, Roncesvalles, Santa Isabel

Notes: (v; ca; co; SIB A6723; ph ML123900801)

Catamenia analis (d´Orbigny and Lafresnaye, 1837, 1837)

Distribution: Anzoategui, Cajamarca, Herveo, Ibagué, Murillo, Santa Isabel

Notes: (v; co; ph ML106430791)

Catamenia inornata (Lafresnaye, 1847)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Santa Isabel, Roncesvalles

Notes: (v; au XC96315; co CZUTOR 0227; ph ML123902801)

Catamenia homochroa (Sclater, 1859)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Santa Isabel, Roncesvalles

Notes: (v; co MHN-ICN 26207; ph ML123903561)

Diglossa lafresnayii (Boissonneau, 1840)

Distribution: Anzoategui, Cajamarca, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; ca; co CZUTOR 052; ph ML51941521)

Diglossa humeralis (Fraser, 1840)

Distribution: Anzoátegui, Cajamarca, Falan, Fresno, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Roncesvalles, Villahermosa

Notes: (v; au ML98941201; co ANSP 154161; CZUTOR 502 ph)

Diglossa brunneiventris (Lafresnaye, 1846)

Distribution: Herveo, Murillo

Notes: (v; ph ML 64388201). There are a few recent records for this species in Tolima in the páramo zone, including some records uploaded to the eBird platform since July 2017. A photographic record was made by A. Collerton in the subpáramo zone.

Diglossa albilatera (Lafresnaye, 1843)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; ca; co CZUT 0154; ph ML98497561)

Diglossa sittoides (d'Orbigny & Lafresnaye, 1838)

Distribution: Anzoategui, Cajamarca, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Planadas, Villahermosa, Santa Isabel, Roncesvalles

Notes: (v; ca; co CZUTOR 0997; ph ML103292721)

Diglossa caerulescens (Sclater, 1856)

Distribution: Cajamarca, Chaparral, Ibagué, Herveo, Murillo, San Antonio

Notes: (v; ca; co CZUTOR 0230; ph ML22279771)

Diglossa cyanea (Lafresnaye, 1840)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel, San Antonio

Notes: (v; au; ML97307011; co CZUTOR 046; ph ML120522391)

Haplospiza rustica (Tschudi, 1844)

Distribution: Casabianca, Falan, Herveo, Ibagué, Palocabildo, Planadas, Roncesvalles, Murillo

Notes: (v; ca; ph)

Volatinia jacarina (Linnaeus, 1766)

Distribution: Alvarado, Anzoategui, Ambalema, Armero-Guayabal, Chaparral, Chicoral, Casabianca, Carmen de Apicala, Chicoral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Gualanday, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Prado, Rio Blanco, Saldaña, San Antonio, San Luis, Suárez, Venadillo, Villarrica

Notes: (v; au XC424492; ca; co MLS 8726, CZUTOR 264; ph ML123824971) WD

Creurgops verticalis (Sclater, 1858)

Distribution: Cajamarca, Chaparral, Falan, Ibagué, Libano, Murillo, Planadas, San Antonio, Santa Isabel, Roncesvalles

Notes: (v; ca; co; ph ML 233651461)

Loriotus luctuosus d'Orbigny y Lafresnay, 1837

Distribution: Armero-Guayabal, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Gualanday, Herveo, Honda, Ibagué, Lerida, Mariquita, Melgar, Palocabildo, Prado, Rio Blanco, Villarrica

Notes: (v; ca; co MLS 7050, CZUTOR 127; ph ML24063521)

Tachyphonus delatrii Lafresnaye, 1847

Distribution: Mariquita, Falan, Honda

Notes: (v; co AMHN 95050; ph https://www.inaturalist.org/photos/40933554)

Tachyphonus rufus (Boddaert, 1783)

Distribution: Amabalema, Alpujarra, Armero-Guayabal, Ataco, Casabianca, Cunday, Doima, Dolores, Falan, Fresno, Herrera, Herveo, Ibagué, Mariquita, Planadas, Prado, Rio Blanco, San Antonio, Santa Isabel, Villarrica

Notes: (v; co MHN-ICN 1863, CZUTOR 304; ph ML123932981)

Eucometis penicillata (Spix, 1825)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Chaparral, Coyaima, Cunday, doima, Espinal, Ibagué, Icononzo, Falan, Fresno, Gualanday, Honda, Lerida, Mariquita, Melgar, Palocabildo, Planadas, Prado, San Antonio, San Luis, Suarez, Rio Blanco, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC424603, ML82132; ca; co MLS 7066, CZUTOR 244; ph ML123829541)

Coryphospingus pileatus (Wied-Neuwied, 1820)

Distribution: Ambalema, Armero-Guayabal, Alvarado, Coello, Coyaima, Doima, Espinal, Falan, Fresno, Gualanday, Guamo, Ibagué, Icononzo, Lerida, Natagaima, Melgar, San Luis, Venadillo

Notes: (v; ca; co MLS 7495, CZUTOR 50; ph ML123187281)

Ramphocelus dimidiatus Lafresnaye, 1837

Distribution: Armero-Guayabal, Alvarado,Ambalema, Ataco, Casabianca, Chaparral, Carmen de Apicala, Coello, Cunday, Dolores, Espinal, Falan, Fresno, Herveo, Honda, Guamo, Gualanday, Ibagué, Icononzo, Lerida, Mariquita, Melgar, Murillo, Natagaima, Palocabildo, Prado, Planadas, Purificación, Rio Blanco, Saldaña, San Antonio San Luis, Suárez, Venadillo, Villarrica

Notes: (v; au XC424701; co MLS 6956, CZUTOR 25; ca ph ML112143231) WD

Ramphocelus flammigerus (Jardine & Selby, 1833)

Distribution: Ataco, Casabianca, Chaparral, Falan, Fresno, Herrera, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Palocabildo, Planadas, San Antonio, Villahermosa, Villarrica

Notes: (v; ca; ph ML84503201; co ANSP 154506) CE

Cyanerpes caeruleus (Linnaeus, 1758)

Distribution: Honda

Notes: (v, co)

Tersina viridis (Illiger, 1811)

Distribution: Ataco, Casabianca, Chaparral, Ibagué, Falan, Fresno, Honda, Mariquita, Palocabildo, Planadas, Prado, San Antonio, Santa Isabel, Venadillo

Notes: (v; co MLS 6436; ph)

Dacnis egregia (Sclater, 1855)

Distribution: Alvarado, Anzoategui, Ambalema, Armero-Guayabal, Ataco, Cajamarca, Chaparral, Carmen de Apicala, Cunday, Doima, Dolores, Guamo, Honda, Ibagué, Falan, Fresno, Lerida, Mariquita, Melgar, Natagaima, Palocabildo, Planadas, Prado, Purificación, Rio Blanco, Rovira, San Antonio, San Luis, Valle de San Juan, Venadillo

Notes: (v; au XC424403; co MLS 5929, CZUTOR 99; ph ML99185961)

Dacnis hartlaubi Sclater, 1855

Distribution: Villahermosa

Notes: (v)

Dacnis cayana (Linnaeus, 1766)

Distribution: Alpujarra, Alvarado, Armero-Guayabal, Ataco, Casabianca, Carmen de Apicala, Coyaima, Doima, Dolores, Falan, Fresno, Guamo, Ibagué, Lerida, Libano, Mariquita, Melgar, Palocabildo, Planadas, Prado, Purificación, Rovira, Suarez, Valle de San Juan, San Antonio, San Luis, Rio Blanco, Venadillo

Notes: (v; ca; co MLS 597, CZUTOR 0667; ph ML123898291)

Sporophila minuta (Linnaeus, 1758)

Distribution: Alvarado, Armero-Guayabal, Ataco, Cajamarca, Chaparral, Carmen de Apicala, Coello, Cunday, Doima, Dolores, Espinal, Falan, Fresno, Gualanday, Guamo, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Natagaima, Planadas, Prado, Rio Blanco, San Luis, Saldaña, Suarez, Venadillo, Villarrica

Notes: (v; au; co MLS 7377, CZUTOR 407; ph ML123826651)

Sporophila funerea (Sclater, 1860)

Distribution: Armero-Guayabal, Casabianca, Coyaima, Falan, Fresno, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Plandas, Prado

Notes: (v; co CZUT OR 1043; ph ML121462621) ICN. This species is observed most commonly below 1200 m a.s.l. It is seen more often than the congener *S. angolensis*, which was previously classified as the same species. It has been frequently registered in Falan and Mariquita and infrequently registered in Ibagué, Guayabal, Fresno and Líbano ().

Sporophila angolensis (Linnaeus, 1766)

Distribution: Armero-Guayabal, Coyaima, Doima, Ibagué, Mariquita, Melgar, Planadas, Prado, Rovira, Venadillo

Notes: (v; au; ca; co CZUTOR 0933; ph ML82117) This uncommon species in Tolima has been registered sporadically in Melgar and Ibagué between 500 and 1200 m a.s.l. (Fig. 11b). In the Municipality of Ibagué, it is found together with *S. funerea*, but not in sympatry.

Sporophila crassirostris (Gmelin, 1789)

Distribution: Armero-Guayabal, Casabianca, Falan, Fresno, Ibagué, Herveo, Honda, Lerida, Melgar, Mariquita, Venadillo, Villarrica

Notes: (v; co MPUJ 509, CZUTOR 708; ph ML55266751). Like other seed finches, it is usually located in the canopy in relics of forest, semi-open areas and areas with crops where it vocalises frequently. It has been frequently observed in the Municipality of Ibagué and in the north of Tolima at about 1200 to 1400 m a.s.l. (Fig. 11d).

Sporophila intermedia Cabanis, 1851

Distribution: Anzoategui, Armero-Guayabal, Ataco, Alvarado, Chaparral, Coyaima, Doima, Espinal, Falan, Fresno, Honda, Lerida, Mariquita, Melgar, Natagaima, Ibagué, Icononzo, Planadas, Prado, Purificación, Saldaña, San Antonio, Suarez, Venadillo, Villarrica

Notes: (v; co MLS 7302; ph ML98989561)

Sporophila luctuosa (Lafresnaye, 1843)

Distribution: Casabianca, Espinal, Falan, Fresno, Ibagué, Libano, Murillo, Palocabildo, Villarrica

Notes: (v; co MLS 7327, CZUTOR 639; ph ML99156451)

Sporophila nigricollis (Vieillot, 1823)

Distribution: Anzoategui, Ambalema, Alpujarra, Armero-Guayabal, Ataco, Casabianca, Carmen de Apicala, Chaparral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Lerida, Libano, Natagaima, Mariquita, Melgar, Murillo, Planadas, Purificación, Prado, Rio Blanco, San Antonio, Santa Isabel, Saldaña, San Luis, Suárez, Venadillo, Villarrica

Notes: (v; au XC424592; ca; co CZUTOR 0153; ph ML120513811)

Sporophila schistacea (Lawrence, 1862)

Distribution: Cunday, Dolores, Espinal, Falan, Fresno, Honda, Ibagué, Icononzo, Libano, Planadas, Prado, Rio Blanco, San Antonio, Venadillo, Villarrica

Notes: (v; au XC424593; ca; co MPUJ 770, CZUTOR 431; ph)

Sporophila plumbea (Wied-Neuwied, 1831)

Distribution: Doima, Ibagué, Melgar

Notes: (v; co MHN-ICN 8384)

Saltator maximus (Statius Müller, 1776)

Distribution: Alvarado, Ambalema, Armero-Guayabal, Casabianca, Carmen de Apicala, Chaparral, Coyaima, Cunday, Doima, Dolores, Espinal, Falan, Fresno, Guamo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Palocabildo, Prado, Purificación, Rio Blanco, San Antonio, San Luis, Valle de San Juan, Suarez, Venadillo, Villarrica

Notes: (v; au XC423701; ca; co MPUJ 767, CZUTOR 139; ph ML104593371)

Saltator atripennis Sclater, 1857

Distribution: Cjamarca, Casabianca, Chaparral, Cunday, Falan, Fresno, Herveo, Ibagué, Libano, Murillo, Rio Blanco, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; ca; au ML98604791; co CZUTOR 0714; ph ML72672701)

Saltator olivascens Vieillot, 1817

Distribution: Armero-Guayabal, Falan, Honda, Ibagué, Lerida, Libano, Mariquita, Rio Blanco, San Antonio, Suárez, Venadillo

Notes: (v; au XC423696; co CZUTOR 0458; ph ML79096071)

Saltator striatipectus Lafresnaye, 1847

Distribution: Armero-Guayabal, Ambalema, Casabianca, Chaparral, Chicoral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Gualanday, Guamo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Melgar, Natagaima, Planadas, Prado, Rio Blanco, Roncesvalles, Saldaña, San Luis, San Antonio, Suárez, Venadillo, Villarrica

Notes: (v; au XC424605; co MLS 7223, CZUTOR 17; ph ML72672601) WD

Saltator cinctus Zimmer, 1943

Distribution: Anzoátegui, Herveo, Ibagué, Roncesvalles, Murillo

Notes: (v; au ML97304231; ph ML112810901) NT

Saltator grossus (Linnaeus, 1766)

Distribution: Ibagué, Honda

Notes: (co AMHN 95117) *Pitylus* according to Hilty.

Emberizoides herbicola (Vieillot, 1817)

Distribution: Falan, Ibagué, Roncesvalles, San Antonio

Notes: (v; ph ML36345521)

Pseudospingus verticalis (Lafresnaye, 1840)

Distribution: Anzoátegui, Cajamarca, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel

Notes: (v; au; co CZUTOR 0507)

Cnemoscopus rubrirostris (Lafresnaye, 1840)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; au ML28985231; co ANSP 154499; ph ML35761591)

Kleinothraupis atropileus (Lafresnaye, 1842)

Distribution: Cajamarca, Ibagué, Melgar, Murillo, Roncesvalles

Notes: (v; co CZUTOR 0078; ca; ph ML86905801)

Sphenopsis frontalis (Tschudi, 1844)

Distribution: Cajamarca, Falan, Herveo, Ibagué, Libano, Roncesvalles, San Antonio, Santa Isabel, Villahermosa

Notes: (v; ca; co CZUTOR 0078; ph ML78851321)

Sphenopsis melanotis (Sclater, 1855)

Distribution: Casabianca, Falan, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; co CZUTOR 1343; ph ML22279441)

Thlypopsis superciliaris (Lafresnaye, 1840)

Distribution: Anzoátegui, Casabianca, Cajamarca, Cunday, Herveo, Ibagué, Libano, Murillo, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; ca; co CZUTOR 134; ph ML30789701)

Urothraupis stolzmanni Taczanowski & Berlepsh, 1885

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, Santa Isabel

Notes: (v; ph ML115351201) CE

Coereba flaveola (Linnaeus, 1758)

Distribution: Anzoategui, Armero-Guayabal, Ambalema, Alvarado, Ataco, Cajamarca, Carmen de Apicala, Casabianca, Chaparral, Coyaima, Cunday, Doima, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Libano, Mariquita, Murillo, Natagaima, Palocabildo, Planadas, Prado, Rio Blanco, San Antonio, Santa Isable, Saldaña, Suárez, Venadillo, Villahermosa, Villarrica

Notes: (v; au XC420337; ca; co CZUTOR 0007; ph ML99158481) WD

Tiaris olivaceus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Anzoátegui, Casabianca, Chaparral, Cunday, Dolores, Falan, Fresno, Herveo, Honda, Ibagué, Lerida, Libano, Planadas, San Antonio, Rio Blanco, Villarrica

Notes: (v; au XC424595; ca; co CZUTOR 1080; ph ML72672731)

Asemospiza obscura (d'Orbigny & Lafresnaye, 1837)

Distribution: Alvarado, Cajamarca, Doima, Dolores, Guamo, Herveo, Honda, Ibagué, Icononzo, Lerida, Planadas, Prado, Rio Blanco, Roncesvalles, Santa Isabel, Villarrica

Notes: (v; ca; co SIB 32349, CZUTOR 376; ph ML123929121)

Melanospiza bicolor (Linnaeus, 1766)

Distribution: Alvarado, Armero-Guayabal, Casabianca, Chaparral, Carmen de Apicala, Coyaima, Cunday, Doima, Dolores, Espinal, Guamo, Honda, Ibagué, Falan, Fresno, Lerida, Libano, Mariquita, Natagaima, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Suárez, Valle de San Juan, Venadillo, Villarrica

Notes: (v; au XC424872; ca; co MLS 7283, CZUTOR 164; ph ML58280511) WD

Chlorochrysa nitidissima (P. L. Sclater, 1874)

Distribution: Ibagué

Notes: (v; ph ML 309203161, au ML 278463171) This unusual species in the Department was observed for the first time on 13 and 17 October 2019 in the Reserva Forestal Protectora Regional Bellavista (Loaiza-Hernández et al. 2021). It was subsequently registered by H. Arias in the same area on 8 November 2020.

Schistochlamys melanopis (Latham, 1790)

Distribution: Ambalema, Cajamarca, Carmen de Apicala, Casabianca, Chaparral, Coyaima, Espinal, Falan, Ibagué, Mariquita, Melgar, Planadas, San Luis, Rovira, Villarrica

Notes: (v; co MLS 7788, MHN-ICN 2256; ph ML72672311)

Iridosornis rufivertex (Lafresnaye, 1842)

Distribution: Anzoategui, Cajamarca, Herrera, Herveo, Ibagué, Murillo, Roncesvalles

Notes: (v; ca; co CZUTOR 051; ph ML115212771)

Pipraeidea melanonota (Vieillot, 1819)

Distribution: Anzoategui, Chaparral, Falan, Herrera, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au XC425943; ca; co CZUTOR 0012; ph ML98969251)

Dubusia taeniata (Boussonneau, 1840)

Distribution: Anzoategui, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles

Notes: (v; co ANSP 154566; ph ML78999011)

Anisognathus lacrymosus (Du Bus, 1847)

Distribution: Anzoátegui, Cajamarca, Chaparral, Falan, Herveo, Ibagué, Icononzo, Libano, Murillo, Planadas, Roncesvalles, Santa Isabel, Villahermosa

Notes: (v; au; co SIB 126378, CZUTOR 0497; ph ML23812291)

Anisognathus igniventris (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel

Notes: (au XC96370, ML 97306911; co SIB 126312; ph ML58239201)

Anisognathus somptuosus (Lesson, 1831)

Distribution: Anzoátegui, Cajamarca, Chaparral, Cunday, Falan, Herveo, Ibagué, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa, Villarrica

Notes: (v; au ML99165821; ca; co CZUTOR 0643; ph ML111847321)

Buthraupis montana (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoategui, Casabianca, Cajamarca, Herveo, Ibagué, Murillo, Roncesvalles, San Antonio, Santa Isabel, Villarrica, Villahermosa, Villarrica

Notes: (v; au; ca; co CZUT OR1262; ph ML104874401)

Tephrophilus wetmorei (Moore, 1934)

Distribution: Cajamarca, Ibagué

Notes: (v; ph https://www.inaturalist.org/photos/64883347) VU

Sporathraupis cyanocephala (d'Orbigny & Lafresnaye, 1837)

Distribution: Anzoátegui, Cajamarca, Herrera, Herveo, Ibagué, Falan, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; co MLS 6867, CZUTOR 82; ca; ph ML86906821)

Chlorornis riefferii (Boissonneau, 1840)

Distribution: Anzoategui, Casabianca, Falan, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Villahermosa

Notes: (v; au; co ANSP 154571; ph ML22276061)

Cnemathraupis eximia (Boissonneau, 1840)

Distribution: Anzoategui, Cajamarca, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, Santa Isabel

Notes: (v; co SIB 165714, CZUT OR1277; ph)

Chalcothraupis ruficervix (Prevost & Des Murs, 1846)

Distribution: Ataco, Cajamarca, Casabianca, Ibagué, Libano, Planadas, Roncesvalles, San Antonio

Notes: (v; co CZUTOR 1082; ph ML79639281)

Stilpnia heinei (Cabanis, 1851)

Distribution: Anzoategui, Cajamarca, Casabianca, Falan, Fresno, Herveo, Ibagué, Libano, Palocabildo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villarrica

Notes: (v; ca; co CZUTOR 0563; ph ML86961901)

Stilpnia vitriolina (Cabanis, 1851)

Distribution: Ambalema, Armero-Guayabal, Anzoátegui, Ataco, Cajamarca, Casabianca, Chaparral, Carmen de Apicala, Chicoral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Herveo, Ibagué, Icononzo, Honda, Lerida, Libano,

Mariquita, Melgar, Murillo, Natagaima. Palocabildo, Planadas, Prado, Rio Blanco, Rovira, Saldaña, San Antonio, Valle de San Juan, San Luis, Suárez, Santa Isabel, Venadillo, Villarrica

Notes: (v; au; ca; co MLS 6668, CZUTOR 130; ph ML123826151) CE WD. This tanager is relatively common in low to middle areas of the Department (300 to 1600 m a.s.l.) and is usually seen near crops and areas of stubble in almost all of the Department (Fig. 10f).

Stilpnia larvata (Du bus, 1846)

Distribution: Falan, Fresno, Honda, Lerida, Mariquita

Notes: (co; ca; ph ML 176289291)

Stilpnia cyanicollis (d'Orbigny & Lafresnaye, 1837)

Distribution: Ambalema, Anzoategui, Alvarado, Armero-Guayabal, Ataco, Chaparral, Coyaima, Cunday, Cajamarca, Dolores, Espinal, Ibagué, Falan, Fresno, Guamo, Herveo, Honda, Lerida, Libano, Mariquita, Melgar, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Valle de San Juan, Villahermosa, Villarrica

Notes: (v; au XC424606; ca; co MLS 6612, CZUTOR 236; ph ML123825321) WD

Tangara vassorii (Boissonneau, 1840)

Distribution: Anzoátegui, Cajamarca, Casabianca, Herveo, Ibagué, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villarrica, Villahermosa, Villarrica

Notes: (v; au; co CZUT 0048; ca; ph ML123812521)

Tangara nigroviridis (Lafresnaye, 1843)

Distribution: Anzoategui, Cajamarca, Casabianca, Herveo, Ibagué, Falan, Libano, Murillo, Planada, San Antonio

Notes: (v; co CZUTOR 110; ph ML98502581)

Tangara labradorides (Biossonneau, 1840)

Distribution: Cajamarca, Casabianca, Falan, Herrera, Herveo, Ibagué, Icononzo, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel

Notes: (v; co MLS 6583, CZUTOR 109; ph ML91993621)

Tangara inornata (Gould, 1855)

Distribution: Alvarado, Ambalema, Anzoategui, Cajamarca, Doima, Falan, Fresno, Honda, Ibagué, Lerida, Libano, Mariquita, San Luis, Santa Isabel, Venadillo,

Notes: (ca; co MPUJ 823; ph ML123826071)

Tangara gyrola (Linnaeus, 1758)

Distribution: Alvarado, Ambalema, Anzoategui, Armero-Guayabal, Cajamarca, Casabianca, Chaparral, Chicoral, Coyaima, Cunday, Doima, Dolores, Espinal, Falan, Fresno, Herrera, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Melgar, Palocabildo, Planadas, Rio Blanco, Roncesvalles, Rovira, San Antonio, San Luis, Venadillo, Villahermosa, Villarrica

Notes: (v; au; co CZUTOR 021; ph ML123825391)WD

Tangara xanthocephala (Tschudi, 1844)

Distribution: Cajamarca, Chaparral, Dolores, Ibagué, Falan, Fresno, Herveo, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Santa Isabel, Villahermosa,

Notes: (v; ca; co CZUTOR 0295; ph ML120521791)

Tangara parzudakii (Lafresnaye, 1843)

Distribution: Chaparral, Ibagué, Libano, Murillo, Planadas

Notes: (v; ph ML35761761)

Tangara arthus Lesson, 1832

Distribution: Anzoátegui, Cajamarca, Casabianca, Chaparral, Herrera, Ibagué, Falan, Fresno, Herveo, Libano, Murillo, Planadas, Roncesvalles, San Antonio, Villarrica

Notes: (v; ca; co MLS 6572, CZUTOR 574; ph ML120522071)

Thraupis episcopus (Linnaeus, 1766)

Distribution: Armero-Guayabal, Alvarado, Anzoátegui, Ambalema, Ataco, Casabianca, Carmen de Apicala, Chaparral, Chicoral, Coyaima, Cunday, Dolores, Espinal, Falan, Fresno, Guamo, Herveo, Honda, Ibagué, Lerida, Libano, Mariquita, Murillo, Planadas, Prado, Rio Blanco, San Antonio, Santa Isabel, San Luis, Suárez, Venadillo, Villarrica

Notes: (v; au XC424378; ca; co MPUJ 816, CZUTOR 555; ph ML123826351) WD

Thraupis palmarum Wied-Neunied, 1821

Distribution: Alvarado, Ambalema, Anzoategui, Armero-Guayabal, Ataco, Chaparral, Carmen de Apicala, Casabianca, Chicoral, Coyaima, Cunday, Dolores, Espinal, Guamo, Herveo, Honda, Ibagué, Falan, Fresno, Lerida, Libano, Mariquita, Melgar, Natagaima, Palocabildo, Planadas, Prado, Rio Blanco, San Antonio, San Luis, Santa Isabel, Suárez, Venadillo, Villarrica

Notes: (v; ca; co 761 MPUJ, CZUTOR 284; ph ML123826361, ML26004341) WD

Ixothraupis guttata (Cabanis, 1850)

Distribution: Casabianca, Falan, Fresno, Herveo, Honda, Ibagué, Icononzo, Libano, Planadas, San Antonio, Villahermosa

Notes: (co MLS 6564; ph ML123799381) This is a rare tanager in Tolima, with a few records made in the north below 1800 m a.s.l. (pers. commun., Y. Poveda). It was recently photographed in the Municipality of Planadas by R. Parra and in San Antonio by D. Vejarano (Fig. 11a).

Analysis

This study identified 800 species recorded in Tolima, representing 40% of all birds present in Colombia (Avendaño et al. 2017, Ayerbe 2018, Asociación Colombiana de Ornitología 2020). Seventeen probable species were also noted (Table 4). Bird species richness recorded in this study represents 96.7% (827) of the total number of species expected according to the Chao 2 species richness estimator and 97.2% (823) of total species expected according to the ICE species richness estimator. These results indicate that the survey was representative and that the sampling effort was sufficient to record the majority of species in the study area; however, the accumulation curves show an upward trend (Fig. 2).

The recorded species belong to 71 families and 454 genera, highlighting the presence of 82 migratory species, 24 species endemic to Colombia and 69 near-endemic to Colombia, four species with deficient data, two species considered to be regionally extinct (*Crax alberti* and *Harpia harpyja*), 42 species with some degree of threat (six critically endangered, 21 vulnerable, eight endangered and seven near threatened) and three introduced species that have become established in Colombia (the common pigeon *Columba livia*, the tricolored munia *Lonchura malacca* and the chestnut munia *Lonchura atricapilla*). The families having the greatest number of species were Tyranidae (102 species, 12.8%), Thraupidae (92 species, 11.6%), Trochilidae (68 species, 8.6%) and Furnariidae (42 species, 5.3%).

NDMS showed a similarity in species composition amongst municipalities related mainly to their altitude, forming a scattering of points from lower to higher elevation zones (Fig. 3). On the right side of the scatter plot are grouped the largest number of municipalities, which are principally located in lowlands with a predominant habitat of tropical dry forest. To the left are grouped nearby municipalities (e.g. Casabianca, Herveo, Villahermosa, Líbano, Falan and Fresno) that share similar altitudinal ranges, share some species typical of the middle Magdalena and high levels of species richness. At the extreme end are grouped the highland municipalities including Andean forests and páramos (Roncesvalles, Murillo, Santa Isabel, Anzoátegui, Planadas and Cajamarca).

Around 88% of species records have additional support in the form of audio recordings, photos or museum specimens.

Table 4.

Species with a probable presence in Tolima.

Taxon	Locality	Elevation (m a.s.l.)	Habitat	Source	Observation
Anatidae					
Anas georgica (Gmelin, 1789)	Ib-Pie	500	alp	D	Recorded in census of aquatic birds by K Certuche and C Diaz (GOAT) Subspecie in CR state
Dendrocygna bicolor (Vieillot, 1816)	Gi	300	alp	A X	Close to Tolima in Nilo Cundinamarca near Melgar (Piscilagos)
Columbidae					
Paraclaravis mondetoura (Bonaparte, 1856)	Li, Vi	1000-3000	fe, g,sf	A	Visually recorded
Cuculidae					
Coccyzus lansbergi (Bonaparte, 1850)	Ib	>1000	rf	Ebird	Photographic record of the migratory raptor census by Fello Beltrán (Trópicos Colombia-Conservación de rapaces migratorias) at the counting station located at Hacienda el Escobal on 10 March 2021.
Scolopacidae					
Calidris subruficollis (Vieillot, 1819)		< 2600	dfv	Z56	Migrant species
Trochilidae					

Doryfera johannae (Bourcier, 1847)	Me	< 1600	gf	Z12	(co USNM 505040)
Chalcostigma heteropogon (Boissonneau, 1840)	Tolima snowy	2900-3400	Vi	Z20	(co MNHN CG1941.276)
Heliangelus amethysticollis (Longuemare, 1840)	Vi	2200-3000	sf fe gf sppt	Z16 Z20	(co) An ind. from the MLS collection. Probably in areas of the Villarica Municipality.
Coeligena prunellei (Bourcier, 1843)	Mu	2600		Z3	A visual record near Nevado of Ruiz (YG Molina). A mislabelled individual from the UCP collection from the south-western slope of the volcán del Tolima (Renjifo et al. 2002).
Heliornithidae					
Heliornis fulica (Boddaert, 1783)	Sl	400	dfv		A reg. M. Moreno in April 2007
Furnariidae					
Drymotoxeres pucheranii (Des Murs, 1849)	Fa Ib	1200	sf sgm	B Z10	(v) NT Rec. of Quevedo (2002) which should be confirmed
Synallaxis subpudica (Sclater, 1874)	Am	No height defined possibly 1600 m	rf	C Z25	A specimen captured by Stone (1899) in Ambalema. Possibly mislabelled, since Ambalema only refers to heights lower than 600 m a.s.l. and is on the left bank of the Magdalena River.
Passerellidae					
Atlapetes semirufus (Sclater, 1840)	Ic	1600-2000		Z16	(co) Some eBirden records on the western slope in the Department of Cundinamarca, near Icononzo
Icteridae					
Macroagelaius subalaris (Boissonneau, 1840)	Between Melgar e Icononzo	1800			Old Register of Kaestner, P. In Finding Birds in Colombia. Preliminary report 1991
Fringillidae					

Euphonia chrysopasta (Sclater & Salvin, 1869)	Pr		rf	Z20	(co 1898.12.14.284 LNHM)
Euphonia minuta (Cabanis, 1849)	Pr		rf	Z20	(co LNHM 1898.12.14.275)
Euphonia trinitatis (Strickland, 1851)	Es			Z20	(co MLS 1176)

Discussion

This is the first updated and organised list of bird species in the Tolima Department. It will serve as an essential tool for decision-makers regarding management and conservation plans for birds in the Department. The rigorous review of the different records allows us to conclude that around 96% of species included in the list are represented by two or more records and about 91% of species have been reported in two or more localities.

Some species that are present as single records can be considered as rare or extinct in the area. For example, the Magdalena tinamu or red-legged tinamou (*Crypturellus erythrops saltuarius*), blue-billed curassow (*Crax alberti*) and orange-breasted falcon (*Falco deiroleucus*) represent historical records. Some species were likely observed due to erratic migration, such as *Coturnicops notatus*, *Nyctanassa violacea* and *Syrigma silbilatrix*. For cases such as *Ixobrinchus exilis* and *Pipreola aureopectus*, the species are thought to be very rare.

The northern zones of the Department were identified as those with the greatest species richness, not only because they represent the majority of monitoring or ornithological studies, but also because they registered the most localities sampled — both in area and in time. By contrast, the southern and eastern zones are the least explored, with outdated or non-existent inventories. These gaps in data result in a lower bird richness compared to other Departments in Colombia. Departments like Cauca and Nariño have greater richness of birds, mainly due to biomes or life zones not present in Tolima, such as mangroves and tropical rainforest (i.e. those found in Amazonian forests), as well as coastal and island habitats (Ayerbe et al. 2008, Calderón et al. 2011).

The Department of Cundinamarca is comparable to Tolima because it is located in the Andean Region and has similar life zones. It has a total of 941 species, of which 718 are shared with Tolima. Of the remaining 223 species, 51 are typical of piedmont, 12 are exclusive to the Cundiboyacense plateau, 26 belong to the north of the Magdalena Valley, 108 are restricted to the Eastern mountain range, 17 are sporadic migratory species and 8 are casual wanderers. As the Department of Cundinamarca borders on Tolima, it is expected that monitoring efforts in the bordering areas will increase the number of species in Tolima by more than 15, particularly those distributed in the Middle Magdalena Valley and migratory and erratic species. Similar conditions are expected to

occur in areas near the limits of Departments such as Huila and Cauca and in municipalities such as Planadas, Ataco, Natagaima and Alpujarra.

It is worth highlighting that the Municipality of Ibagué contains the highest diversity of birds in Tolima with 675 species (Table 5). The importance of creating protected areas in the tropical dry forest of this region should be addressed. In particular, Important Bird and Biodiversity Areas (IBAs) should be established in the area around Natagaima and Villavieja (Huila Department) due to the presence of species of special interest and its being one of the most disturbed ecosystems in Colombia.

Table 5.

.Number of localities (names), richness and endangered species in each area of geographical distribution

Geographical distribution area	**Municipality**	**Localities studied**	**Elevation (m a.s.l.)**	**Total species**	**Species: threatened (T), endemic (E), nearly endemic (NE)**
South-eastern area	Dolores	3	860-1500	105	11 T
	Cunday	5	400-1703	156	5 E
	Villarrica	5	1150-1850	266	5 NE
	Suarez	1	290-1000	102	
	Purificación	2	300-1400	130	
	Saldaña	1	280-1455	117	
	Prado	5	300	197	
	Coyaima	1	250-300	179	
	Alpujarra	1	700-2000	95	
	Natagaima	2	250-1850	88	
	Total	22	250-1850	398	
Northern area	Mariquita	2	360	252	18 T
	Honda	1	300	285	8 E
	Falan	5	480-1800	408	8 NE
	Palocabildo	2	1100-1700	147	
	Fresno	4	1200-1600	272	
	Herveo	1	2340	164	
	Casabianca	2	1550-2060	185	
	Armero	3	304-350	268	

Geographical distribution area	Municipality	Localities studied	Elevation (m a.s.l.)	Total species	Species: threatened (T), endemic (E), nearly endemic (NE)
	Villahermosa	1	2070	173	
	Libano	3	1700-2250	336	
	Murillo	3	2800-3400	227	
	Santa Isabel	1	2100	157	
	Anzoategui	3	2000-3642	197	
	Alvarado	1	350-700	206	
	Venadillo	4	310-700	182	
	Ambalema	3	310-400	174	
	Lerida	3	300-1000	173	
	Total	28	300-3642	681	
South-western area	Roncesvalles	2	2000-3500	176	17 T
	San Antonio	1	900-3000	278	7 E
	Ortega	1	310-2800	105	7 NE
	Chaparral	4	540-830	260	
	Rio Blanco	1	750	100	
	Ataco	1	1600-2100	123	
	Planadas	1	950-4500	279	
	Total	10	540-3500	404	
Central area	Ibagué	31	540-4400	676	27 T
	Cajamarca	4	2500-3800	328	12 E
	Piedras	3	270-600	224	12 NE
	Coello	1	300-1000	179	
	Flandes	1	285	60	
	Rovira	1	800-3600	96	
	San Luis	3	270-350	221	
	Valle de San Juan	1	500-700	93	
	Guamo	1	280-320	180	
	Espinal	1	300-650	236	

Geographical distribution area	Municipality	Localities studied	Elevation (m a.s.l.)	Total species	Species: threatened (T), endemic (E), nearly endemic (NE)
	Carmen de Apicala	1	300	129	
	Melgar	1	300-1400	194	
	Icononzo	1	1300-2000	234	
	Total	47	270-4400	687	

Finally, we encourage the continuation of the process of ornithological characterisation in the Department, mainly in these areas with scarce or no records, where not only the number of regional species will surely increase, but also the new distribution reports and probably even new species for science will be identified.

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Author contributions

Ronald M Parra and Yair G Molina designed the project, led fieldwork, conducted the analysis, wrote the manuscript, reviewed the collections and drew the map.

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Supplementary materials

Suppl. material 1: Bird species recorded within Tolima Department, Colombia.

doi

Authors: Ronald M Parra-Hernández, Yair G Molina - Martínez

Data type: Occurrences, ecological data and municipal distribution.

Brief description: Conventions: With an asterisk (*) the species registered inEbird http://ebird.org/ebird/subnational1/CO-TOL?yr=all (version on-line 01-04-2020). Number of the voucher in: MNHNP = Muséum National d'Histoire Naturelle Paris, DNHM = Delaware NaturalHistory Museum, WFVZ = Western Foundation of Vertebrate Zoology, FMNH = The Field Museum ofNatural History, CUMV = Cornell University Museum of Vertebrates, NHMA = Natural History Museumof Los Angeles County, NMNH = Smithsonian National Museum of Natural History, AMNH = American Museum of Natural History, MCZ = Harvard Museum of Comparative Zoology, MLS = Museo la Salle, SIB = Colección Humboldt IAvH, MPUJ = Museo Pontificie Universidad Javeriana, CZUTOR = Colección Zologica de la Universidad del Tolima - referencia Ornitologia, MHN-ICN = Museo de historia natural, instituto de Ciencias Naturales Universidad Nacional de Colombia, IVI = Insituto vallecaucano de investigación. Locality: Municipalities: the municipalities appearing in the records mentioned in this study are represented by the following acronyms: (A-G) Armero-Guayabal, (Al) Alvarado, (Am) Ambalema, (An) Anzoátegui, (At)Ataco, (Cb) Casabianca, (Cha) Chaparral, (Cj) Cajamarca, (Cm) Carmen de Apicala, (Co) Coyaima, (Cu) Cunday, (Do) Dolores, (Es) Espinal, (Fa) Falan, (Fl) Flandes, (Fr) Fresno, (Gu) Guamo, (Gy) Gualanday, (He) Herveo, (Ho) Honda, (Ib) Ibagué, (Ic) Icononzo, (Le) Lerida, (Li) Libano, (Ma) Mariquita, (Me) Melgar, (Mu) Murillo, (Na) Natagaima, (Or) Ortega, (Pie) Piedras, (Pl) Planadas, (Pr) Prado, (Pu) Purificación, (Rb) Rio Blanco, (Rc) Roncesvalles, (Rv) Rovira, (Sa) Saldaña, (Si) Santa Isabel, (Sl) San Luis, San Antonio (SAN), (Su) Suarez, (Ve) Venadillo, (Vh) Villahermosa and (Vi) Villarrica. Habitat: (alp) aquatic, lakes and ponds, (apf) aquatic, paddy fields, (ars) aquatic, rivers and streams, (as) airspace, (aw) aquatic, wetlands, (cga) coffee growing area, (ch) chusque (thin bamboo thickets), (cv) caves, (dfm) dry forest matorral, (dfv) dry forest vegetation, (fe) forest edge, (g) guadua (extensive thickets of giant bamboo), (gf) gallery forest, (mf) mature forest, (oa) open area, (ocga) other crop-growing area, (pf) primary forest, (p) paddocks and pastureland, (ppt) pine plantation forest, (ppt) paramo/desert vegetation, (rf) riparian forest, (rfa) rice-farming area, (mr) riparian matorral, (sf) secondary forest, (sgm) secondary growth matorral, (sppt) subparamo vegetation, (sscm) stream-side cliffs and mountains, (ua) urban area, (us) understorey, (wf) wet forest. Observations: type of record: (v) visual, (au) auditory, (ca) capture, (co) collection and (ph) photographic. Distribution (Chaparro et al. 2013): (E) endemic, (CE) almost endemic, (M) migratory, (EL) extralimital, (INT) introduced, (RINT) reintroduced and (F) probable translocation and/or flight from an area. Threat category: (CR) critically endangered, (EN) endangered, (VU) vulnerable, (NT) nearly threatened, (EX) considered as being extinct at national or departmental level and (WD) widely distributed throughout the Department.

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Suppl. material 2: Checklist of bird species by municipality, used to carry out the NMDS analysis doi

Authors: Ronald M Parra-Hernández & Yair G Molina - Martínez

Data type: Occurrence

Brief description: The municipalities appearing in the records mentioned in this study are represented by the following acronyms: (A-G) Armero-Guayabal, (Al) Alvarado, (Alp) Alpujarra, (Am) Ambalema, (An) Anzoátegui, (At) Ataco, (Cb) Casabianca, (Cha) Chaparral, (Cj) Cajamarca, (Cm) Carmen de Apicala, (Co) Coyaima, (Cu) Cunday, (Do) Dolores, (Es) Espinal, (Fa) Falan, (Fl) Flandes, (Fr) Fresno, (Gu) Guamo, (Gy) Gualanday, (He) Herveo, (Ho) Honda, (Ib) Ibagué, (Ic) Icononzo, (Le) Lerida, (Li) Libano, (Ma) Mariquita, (Me) Melgar, (Mu) Murillo, (Na) Natagaima, (Or) Ortega, (Pie) Piedras, (Pl) Planadas, (Pr) Prado, (Pu) Purificación, (Rb) Rio Blanco, (Rc) Roncesvalles, (Rv) Rovira, (Sa) Saldaña, (Si) Santa Isabel, (Sl) San Luis, San Antonio (SAN) (Su) Suarez, (Ve) Venadillo, (Vh) Villahermosa and (Vi) Villarrica.

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